PHASE II ENVIRONMENTAL BASELINE SURVEY OF McCORMICK RANCH, KIRTLAND AIR FORCE BASE, NEW MEXICO

Part 2 of 5

Grace Hagaraty
Jeff Johnson
Pete Middlebrooks

GRAM, Inc 8500 Menaul Blvd NE Albuquerque, NM 87112

31 January 1996

Final Report



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PHILLIPS LABORATORY
Support Directorate
AIR FORCE MATERIEL COMMAND
KIRTLAND AIR FORCE BASE, NM 87117-5776

PL-TR-95-1042

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Project Manager

FOR THE COMMANDER

MICHELLE L. HEDRICK, GS-13

Chief, Safety & Environmental

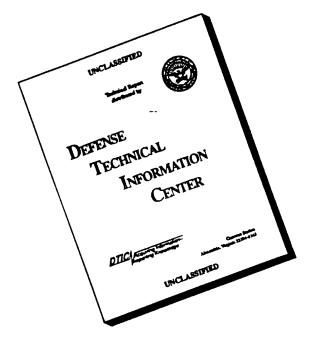
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DIVALLUL AUG

1. Report Date (d 31 January 1996	ld-mm-yy)	2. Report Type Final Report		es covered ct 93 - J	(from to) an 95			
4. Title & subtitle Phase II Environ Ranch, Kirtland	mental Basel	ine Survey of McCorm rt 2 of 5		ntract or G I-93-C-0219				
			5b. Pro	ogram Elen	nent # 62601F			
6. Author(s) Grace Hagaraty,	GRAM Inc	;	5c. Pro	ject # 999	3			
Jeff Johnson, Gl Pete Middlebroo	RAM, Inc.	<u> </u>	5d. Tas	5d. Task # 00				
rete Middlebioo	KS, LATA		5e. Wo	ork Unit # S	E			
7. Performing Or GRAM, Inc. 8500 Menaul Blv Albuquerque, Ne	d. N.E.	•		8. Perform	ning Organization Report #			
Phillips Laborato	ory	ency Name & Address		10. Monitor Acronym SE				
3550 Aberdeen A Kirtland AFB, NN	•	6		11. Monitor Report # PL-TR-95-1042, Part 2 of 5				
13. Supplementa	ry Notes Wo	ork done in associ	ation with L	os Alamos	s Technical Associates			
present on McCo contaminants we meter, magneton were selected to five areas and 13 compounds, PET performed and no found in 2 sampl	rmick Ranch re identified neter/gradiom conduct furtl specific high N, TNT, TNT o explosives es, mangane	Explosive test areas using the following gueter, and ground pender environmental analogement explosive test sites. degradation products or degradation products was detected in 3 security.	s having the gree eophysical sur- etrating radar. Hysis. A total of The samples were in nitrates and ra- cts were identifies	eatest pote vey method From the g f 310 soil s vere screen adioactivity ied. Semi- es were dis	I contamination believed to be ntial for containing soil is: EM 31 terrain conductivity eophysical surveys five areas amples were collected from the ed for semi-volatile organicy. Laboratory analyses were volatile organic compounds were scovered below soil action levels t significant contamination exists.			
15. Subject Term	s McCormicl	Ranch, Environment	al Baseline Sur	vey, Conta	mination :			
16. Report Unclassified	17. Abstract Unclassified		19. Limitation of Abstract Unlimited	20. # of Pages 214	21. Responsible Person (Name and Telephone #) Michelle Hedrick 505-846-4574			

SURVEYING RESULTS

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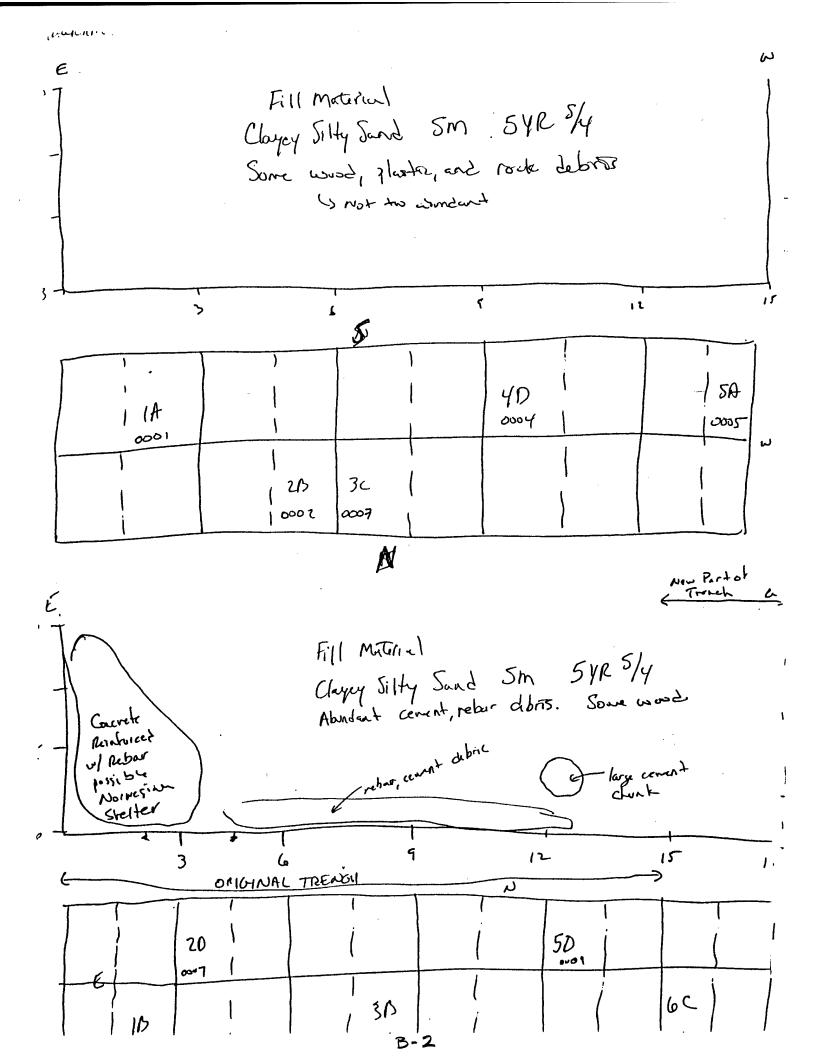
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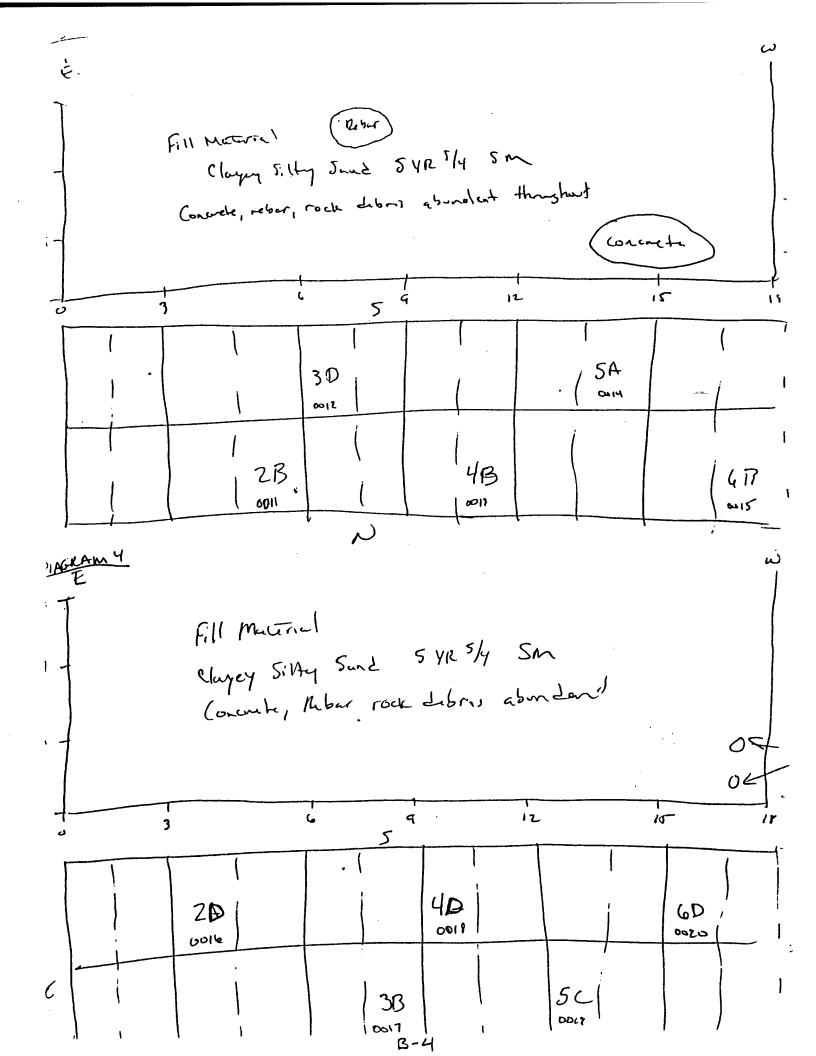
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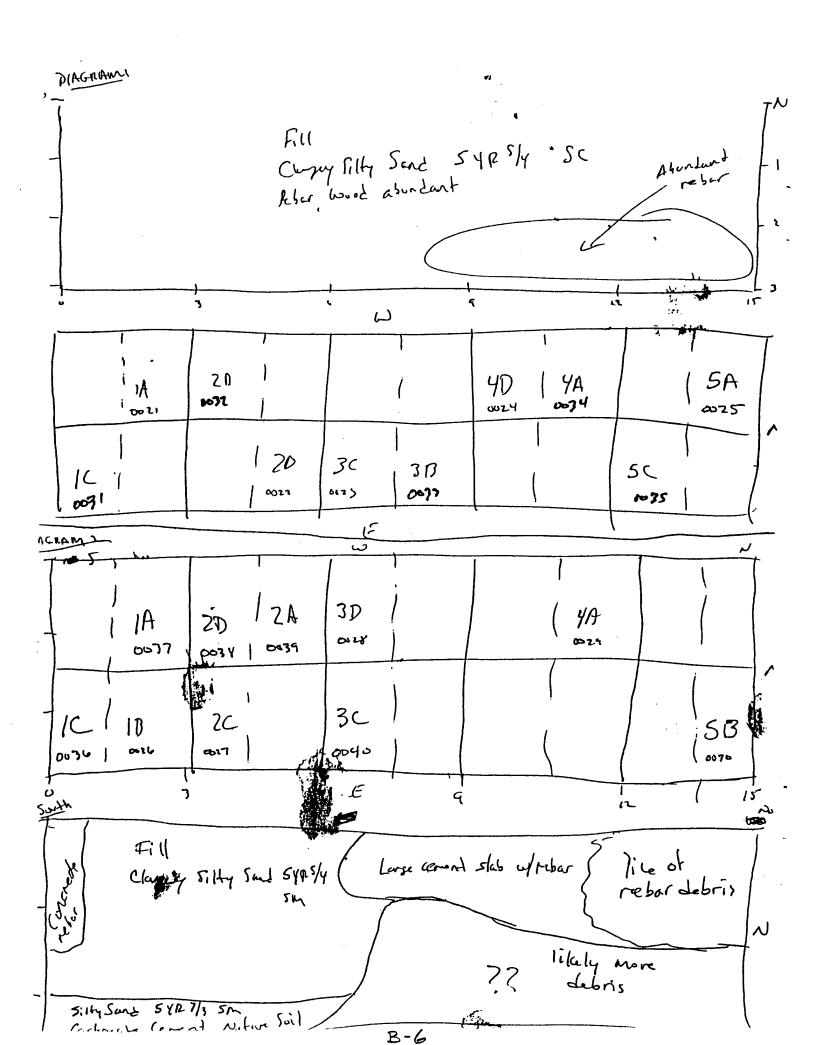
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	·				SOIL BORING LOG	.1 .	1				
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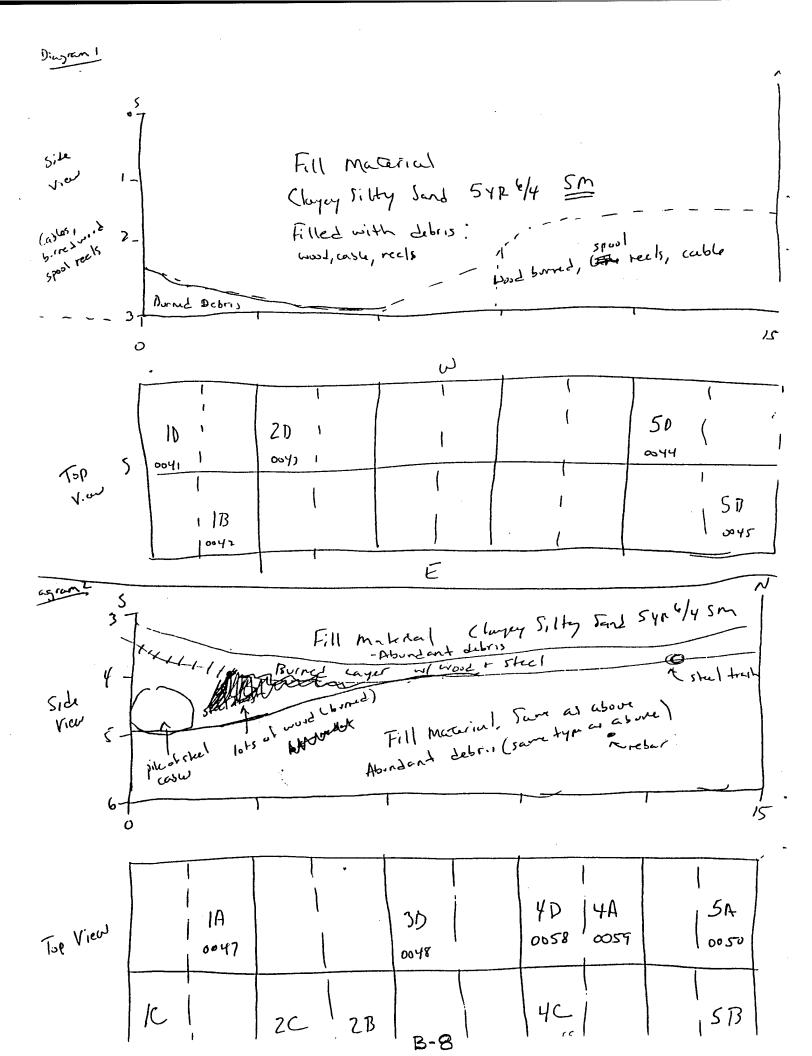


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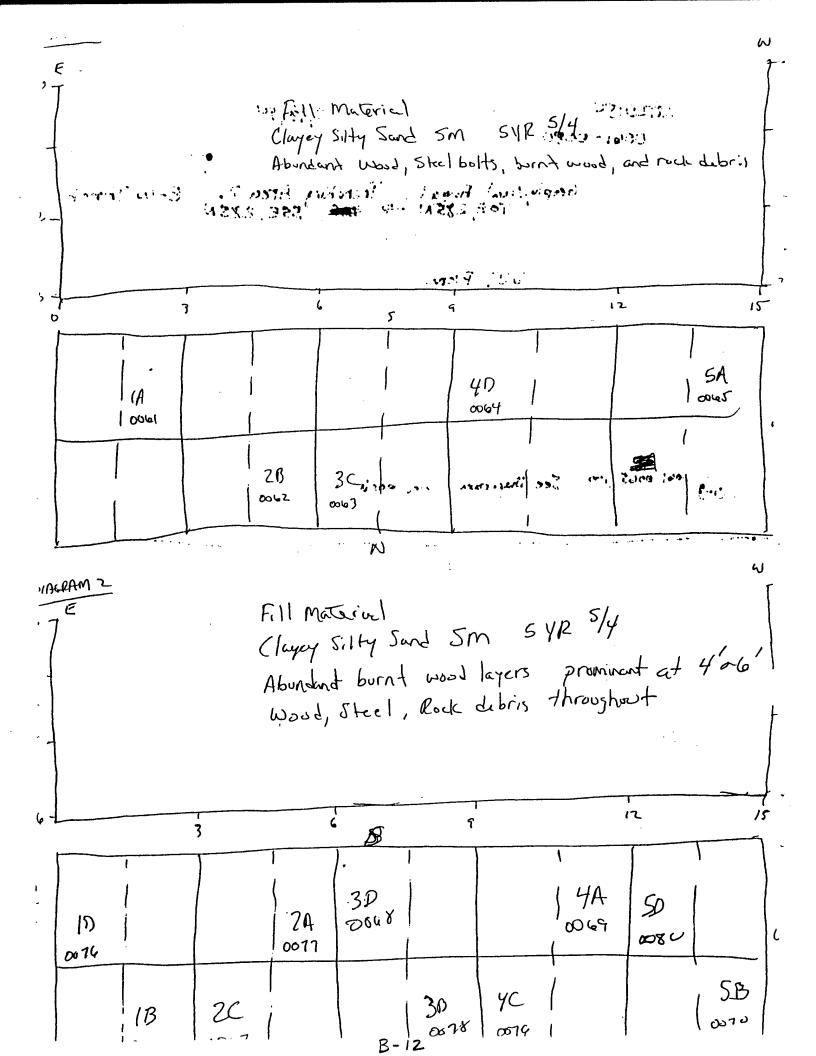




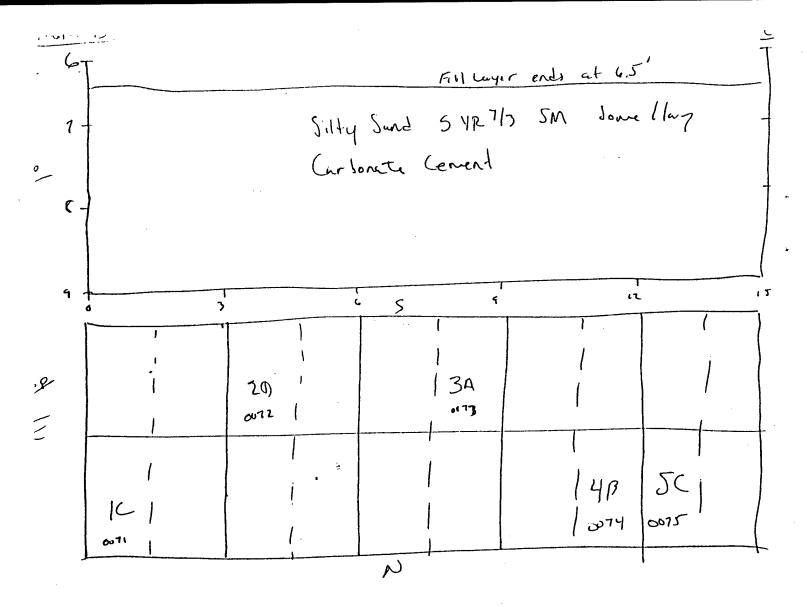
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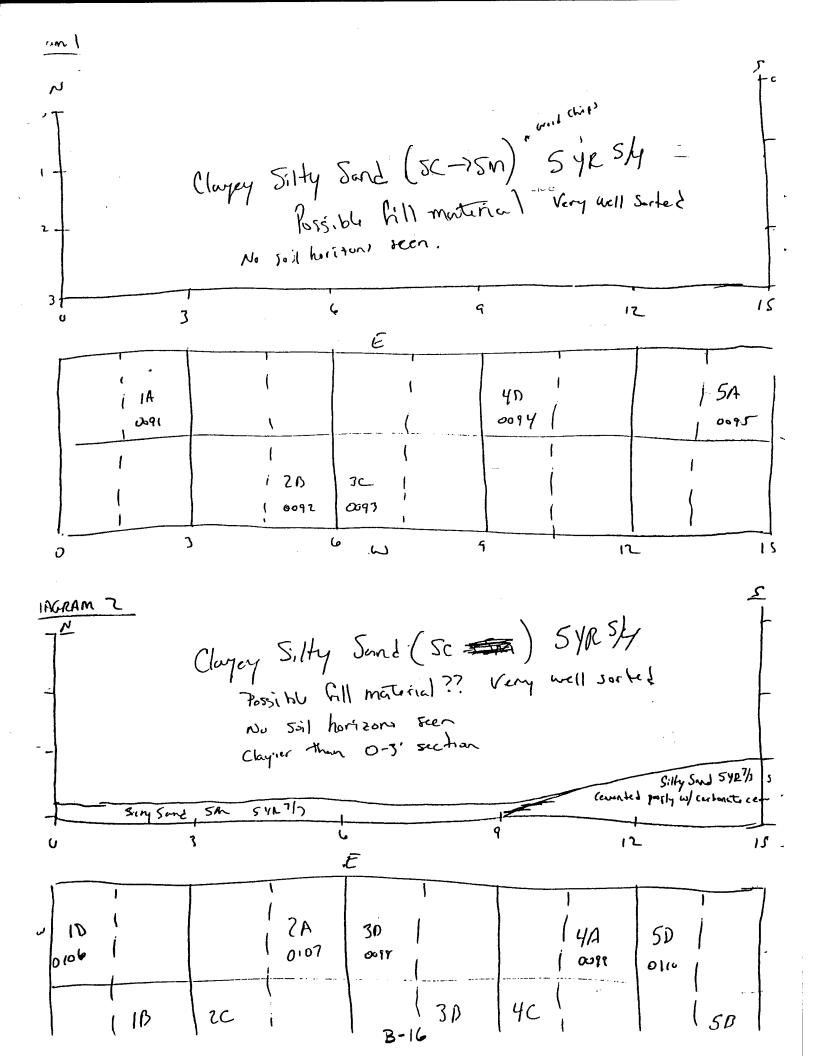
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LOCA	TION	ID:	TLDI	۱ - ۱۵	SOIL BORING LOG DATE: BORE HOLE I	DEPTH	1 (FT)	:			
BORE LOCA	HOL	E DIAI	METER	R (IN): ON: _	Geophysical Areal. Trunchi TOE, 285N ->	10N N	ATC SE,	OD: _ 285	N_	E-W Tren	ch
СОМ	MENT	S:			E(S): _ JJ, Pkm						
FIEL	D RE				G (FOR TRENCH, MAKE ADDITIONAL SKE		s on	BACK	AS	NEEDED)	
DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	uscs	GRAPHIC LOG	CONSTRCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
	o-3	0 06 1-			See Bayram I on back	1)				
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D - S - H -	AUGEI DRIVE SHELB	R CUTT TUBE Y TUBI SCOO	INGS		• CONSTRUCTION METHODS R - ROTARY (STATE ROTARY METHOD A - AUGERED OR BORED C - CABLE TOOL D - DUG J - JETTED	T B-				1	
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SOIL BORING LOG DATE: 9/19/94 SITE ID: <u>LATUDIS</u> Y LOCATION ID: DOLE 1-0080 LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED) CONSTRCT WELL DATA SAMPLE RECOVERY (%) SAMPLE INTERVAL (FT) DEPTH INTERVAL (FT) SAMPLE METHOD ELEVATION (FT) GRAPHIC LOG BLOWS 6 IN WATER DEPTH/ REMARKS LITHOLOGIC DESCRIPTION

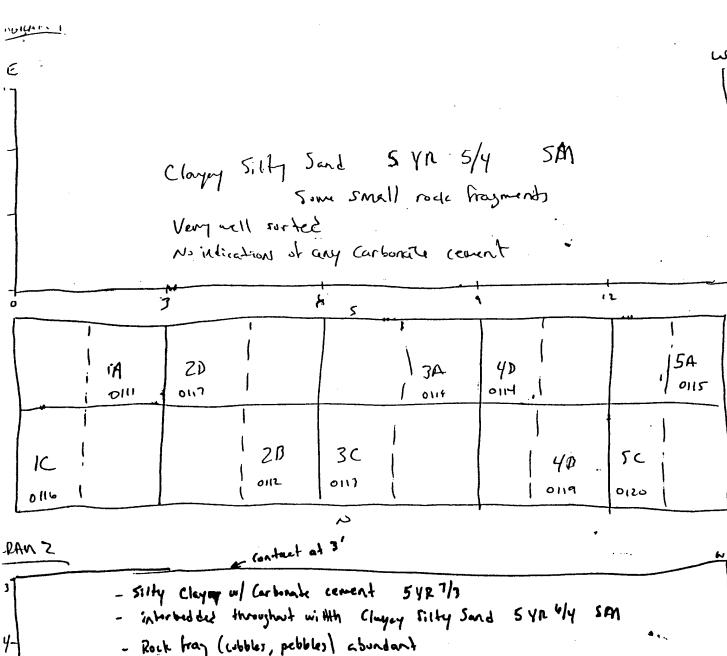


	Page 1 of <u>7</u>
SOIL BO	RING LOG
SITE ID: LRTLO 154	DATE:9/9/9
1 - 20 TION ID. DUGIS OHO THEY HOW HOW	BORE HOLE DEPTH (FT):
PORT HOLE DIAMETER (IN): XI/A	CONSTRUCTION METHOD:
LOCATION DESCRIPTION: Gophyical Arc ?.	Trenching Free 3
Nos treach from 200	7 400N to 320E, 413N
COMMENTS:	
Pkm TI	
FIELD REPRESENTATIVE(S): Pkm TJ	
LITHOLOGIC LOG (FOR TRENCH, MAKE AL	DDITIONAL SKETCHES ON BACK AS NEEDED)
F 3	
(H)	SSCS SRAPHIC LOG CONSTRCT WELL DATA LALGON (FT) ELEVATION (FT)
THO!	SCS RAPHIC LOG SONSTRCT WELL SONSTRCT WELL HELEVATION (FT)
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SAMPLE INTERVAL (FT) SAMPLE ID SAMPLE METHOD SAMPLE RECOVERY (%)	CONSTRCT W. BLOWS/ 6 IN BLOWS/
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• SAMPLE METHODS • CONSTRUCTION ME	THODS ROTARY METHOD P - AIR PERCUSSION
A - AUGER CUTTINGS R - ROTARY (STATE D - DRIVE TUBE A - AUGERED OR BO	DRED T - TRENCHING
S - SHELBY TUBE C - CABLE TOOL	B- BOREHOLE O - OTHER
H - HAND SCOOP D - DUG O - OTHER J - JETTED	
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	0101				4B 5C 1	1

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		••			SOIL BORING LOG		,			•	
SITE	ID:	KITC	D15	4	DATE: <u>9</u> /	- /					
LOC	ATION	ID:	0111-	013.0	BORE HOLE					· · · · · · · · · · · · · · · · · · ·	
BOR	E HOL	E DIA	METEF	R (IN):	CONSTRUCT	ION N	AE I H	วบ:	<u>!</u>		
LOC	ATION	DESC	RIPTI	ON; >							
COM	IMENT	<u>(C.)</u>	Crop	hyria	From 20E, 415N + 5E,	3.	E	<u></u> -W		inch_	
FIEL	D RE	PRES	ENT	ATIV	E(S): PKM, JJ						
L					G (FOR TRENCH, MAKE ADDITIONAL SKE	TCHE	S ON	васк	AS	NEEDED)	
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DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	AMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRA	CON	ВГО	WATER DEPTH/ REMARKS	ELE
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		METHO			 CONSTRUCTION METHODS R - ROTARY (STATE ROTARY METHOD 	D P	- AIR	PERCU	SSION	l	
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EORN	COME	ETED	BY: 15	BNATI	JRE/DATE) TECHNIC	AL RE	VIEWE	R: (SIG	NATU	RE/DATE)	



- Silty Cleyop of Carbonale cement 5427/3

- interbedded throughout with Clayof Silty Sound 5412 614 SPM

- Rock fray (cubbles, pebbles) abundant

- pimerous carbonale - cemented inclusions

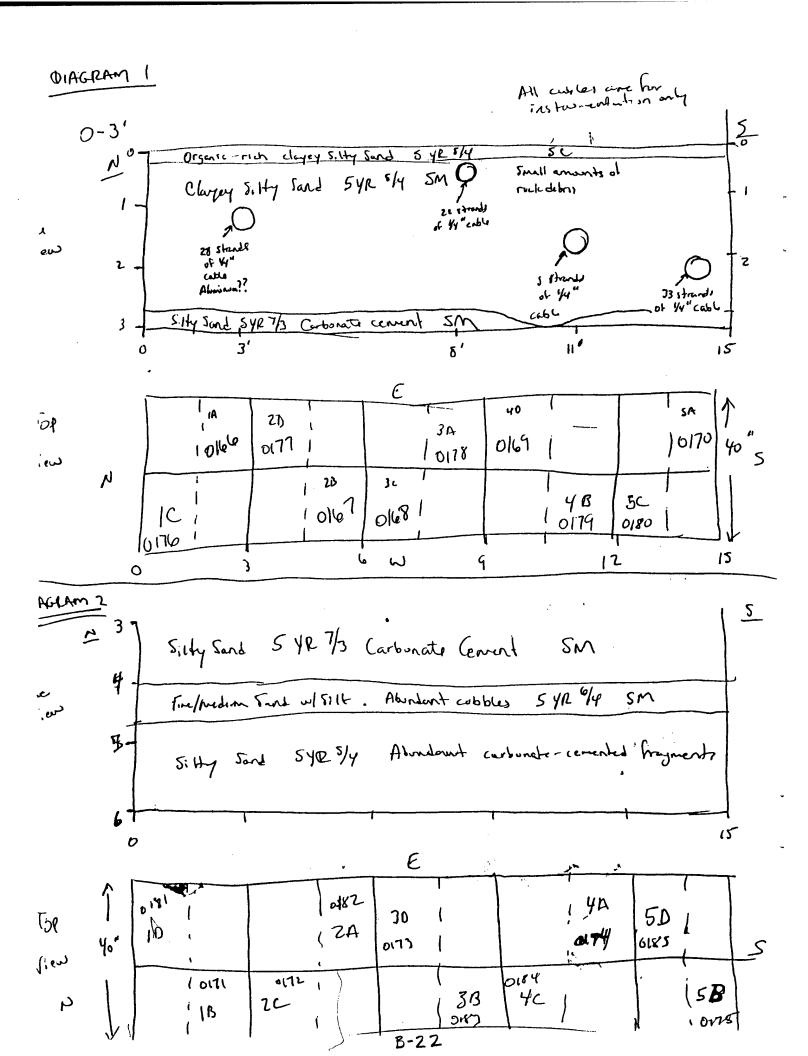
- no distinct grown layers.

- Top 1' primarily the cemented Silty Clay, with interbedding name prominent from 4-10'

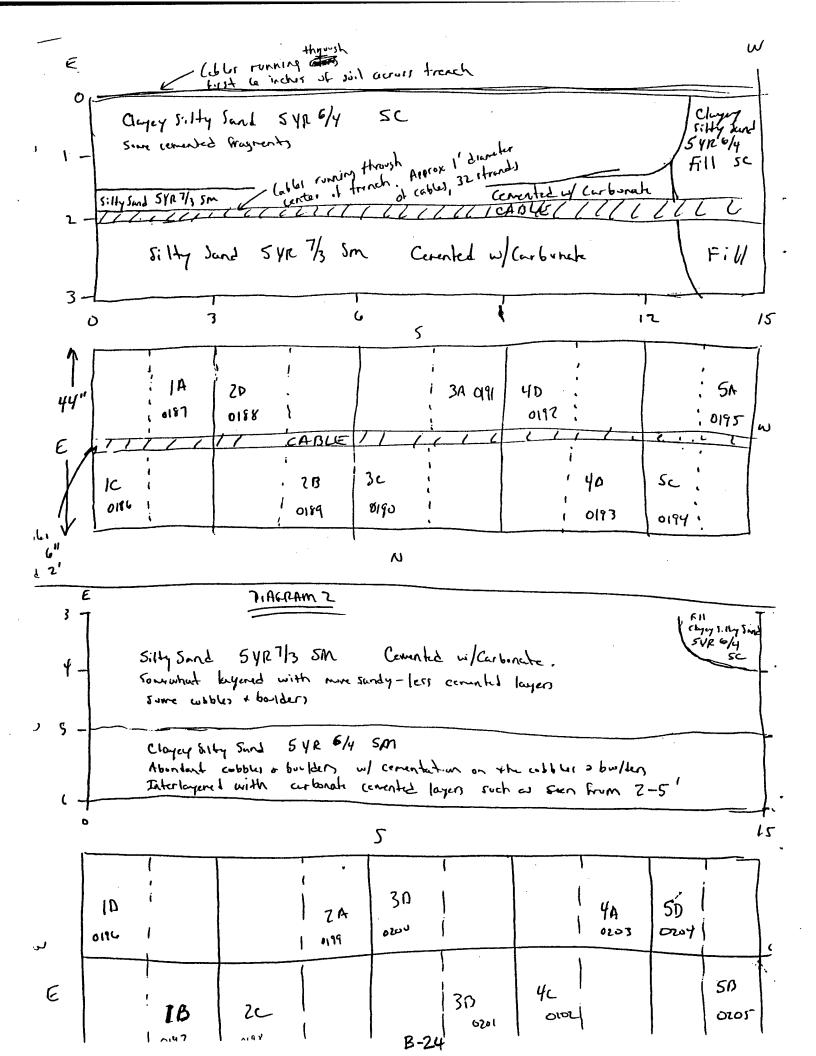
1D 6124			ZA- 0127	3D			1 4A ⁰¹²⁴	5D 0130	
	18	2C oni			3B 0128	4C 0149	Roger Buetle recommen	deatim	5B

B-20

	Page 1 of							
SOIL BORING								
SITE ID: LETLD 154 DATE	E: <u>1/1/9/</u>							
BORE HOLE DIAMETER (IN): N/A CONSTRUCTION METHOD:								
BORE HOLE DIAMETER (IN): N/A CON								
LOCATION DESCRIPTION: Trench y Area 4 N/S Trench half 330 E 315N -> 330 E 300 U								
COMMENTS:								
FIELD REPRESENTATIVE(S): PFM JU								
LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITION	IAL SKETCHES ON BACK AS NEEDED)							
THOC SOVE								
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SAMPLE INTERVAL (FT) SAMPLE INTERVAL (FT) SAMPLE ID SAMPLE METHOD SAMPLE RECOVERY (%)	GRAPHIC LOG GRAPHIC LOG CONSTRCT WELL DATA CONSTRCT WELL DATA HATABURA SHAWBURA CONSTRCT WELL DATA CONSTRUCT WELL WELL DATA CONSTRUCT WELL WELL DATA CONSTRUCT WELL DATA CONSTRUCT WELL DATA CONSTRUCT WELL							
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•• SAMPLE METHODS • CONSTRUCTION METHODS R - ROTARY (STATE ROTARY	METHOD P - AIR PERCUSSION							
D - DRIVE TUBE A - AUGERED OR BORED	T - TRENCHING							
S - SHELBY TUBE C - CABLE TOOL H - HAND SCOOP D - DUG	B- BOREHOLE O - OTHER							
O OTHER J - JETTED								
18-1 Man 9/7/97								
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	•	l		- J			RING LOG	alu l	o 4				
SITE	SITE ID:												
LOC	BORE HOLE DIAMETER (IN): N/M CONSTRUCTION METHOD:										1		
BOR	LOCATION DESCRIPTION: Conduited And 4 Treating And 4 Fig. Twoch												
	LOCATION DESCRIPTION: (Respreyed Area 4. Treashing Area 4 Ew Treash from 330E, 300m to 315E, 300 N										1		
COM	COMMENTS:												
FIEL	.D RE	PRES	SENT	ATIV	E(S): _	PKM, JJ]
		LITH	OLOGI	C LO	G (FOR	TRENCH, MAKE ADI	DITIONAL SKE	ТСНЕ	S ON	BACK	AS	NEEDED)	,
DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)		LITHOLOGIC DESCRIP	PTION ,	nscs	GRAPHIC LOG	CONSTRCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
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A - D - S - H -	** SAMPLE METHODS A - AUGER CUTTINGS D - DRIVE TUBE S - SHELBY TUBE C - CABLE TOOL D - DUG D - DUG D - DUG D - OTHER S - SAMPLE METHODS D - AIR PERCUSSION T - TRENCHING B - BOREHOLE O - OTHER												
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•						Page 1 of	11			
SOIL BORING LOG										
SITE ID: KRTLD 154	SITE ID: KRTLD 154 DATE: 8/24/44 8/25/91									
LOCATION ID: 0081 BORE HOLE DEPTH (FT): 6-0										
BORE HOLF DIAMETER (IN): 2 CONSTRUCTION METHOD: A										
LOCATION DESCRIPTION: _	LOCATION DESCRIPTION: In depression near trenching wee 2. About 100 west									
or 100c.					<u></u>					
COMMENTS:										
FIELD REPRESENTATIVE	E(S):SR.6									
LITHOLOGIC LOC	G (FOR TRENCH, MAKE ADDITIONAL SKE	CHES	ON	ВАСК	AS	NEEDED)	· · · · ·			
SAMPLE INTERVAL (FT) SAMPLE ID SAMPLE METHOD SAMPLE METHOD	LITHOLOGIC DESCRIPTION	nscs	GRAPHIC LOG	CONSTRCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)			
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** SAMPLE METHODS A - AUGER CUTTINGS D - DRIVE TUBE S - SHELBY TUBE H - HAND SCOOP O - OTHER ** CONSTRUCTION METHODS R - ROTARY (STATE ROTARY METHOD R - AUGERED OR BORED T - TRENCHING B - BOREHOLE O - OTHER O - OTHER ** CONSTRUCTION METHODS R - ROTARY METHOD D - AIR PERCUSSION T - TRENCHING D - OTHER O - OTHER										
FORM COMPLETED BY: (SIGNATURE/DATE) TECHNICAL REVIEWER: (SIGNATURE/DATE)										

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	SOIL BORING LOG SITE ID: KRTLD 154 DATE: 8/25										
SITE	LOCATION ID: 0082 BORE HOLE DEPTH (FT): 6.0										
BORE	BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD:										
LOCA	TION	DESC	RIPTI	ON: _	In depression near Trenching	Aren	<u>a.</u>	2/1	ر م	was of Ro	14
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СОМ	MENT	'S:									
FIEL	D RE	PRES	ENT	ATIV	E(S): Johnson					-	
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		LITTI	JEUG	T	THOM MELLON, MARKET						
(£)	SAMPLE INTERVAL (FT)			AMPLE RECOVERY (%)		ľ		CONSTRCT WELL DATA			
RVAI	TERV		SAMPLE METHOD	COV			507	T WEI	Z		ELEVATION (FT)
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(· D					7.541 4/4 clayey simy and	MI					
1.5			:		7.5 YR 4/4 Clayery Silty SAND 7.5 YR	AL					
2.0					up 11h Claver Sitty sand	M					
7.5 3.0		04	Λ.	. 6	7.5 YR Ulu Clayer Sitry Sand	m_					
3.5	7	000/	Ą	roge	7.5 YR 4/4 Clayery silty SAN	ML					
45	{				7.5 YR Y/LI Clayer Sitty St	ML					-
8.5					1.5 /R 4/4 Clayer Sisty Sand	ML					\vdash
5.0			,		7.3 YR 4/4 (1947 5,17) SAM	2 44					
6.0					7.51R Y/4 Clayer SILTY SAL	me					
0.0	ı										
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D-	DRIVE				A - AUGERED OR BORED	T	- TREI	NCHING	3		
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		SOIL BORING LOG	01	15-						
SITE ID: KRTL	.D 15	54 DATE:								
LOCATION ID:	0085	BORE HOLE D	EPTH	(FT):		6	1			
BORE HOLE DIAMET	rer (IN):	CONSTRUCTI	ON M	FIHC	טו: • ג מי	-1.	^~			
LOCATION DESCRIP	TION:	LEAR beophysical Anomaly	71) Or / C				
COMMENTS:			<u></u>							
FIELD REPRESEN		-151. Johnson								
					- 4 01		,			
LITHOLO	GIC LOC	G (FOR TRENCH, MAKE ADDITIONAL SKET	CHES	ON		AS	MEEDEDI			
DEPTH INTERVAL (FT) SAMPLE INTERVAL (FT) SAMPLE ID	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	uscs	GRAPHIC LOG	CONSTRCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)		
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SAMPLE METHODS A - AUGER CUTTING D - DRIVE TUBE S - SHELBY TUBE H - HAND SCOOP		2.54R 5/4 Silty SAND 7.54R 5/4 Silty SAND 7.54R 5/4 Silty SAND 7.54R 5/4 Silty SAND * CONSTRUCTION METHODS R - ROTARY (STATE ROTARY METHOD A - AUGERED OR BORED C - CABLE TOOL D - DUG J - JETTED	T B-	- TREI	PERCU NCHIN HOLE					
O - OTHER J - JETTED 1										

Page 1 of 1									
	SOIL BORI	NG LOG	1						
SITE ID: KTELD IS		DATE: 8/25/							
LOCATION ID:	ø	BORE HOLE DEPTH		<u>م</u>					
BORE HOLE DIAMETER (IN):		CONSTRUCTION N	METHOD: _						
LOCATION DESCRIPTION: _	Wear JON SIDE	of Geoplyn	icl Ove	<u>- </u>	+21				
COMMENTS:									
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SAMPLE METHODS A - AUGER CUTTINGS D - DRIVE TUBE S - SHELBY TUBE H - HAND SCOOP O - OTHER	• CONSTRUCTION METHO R - ROTARY (STATE RO A - AUGERED OR BORE C - CABLE TOOL D - DUG J - JETTED	TARY METHOD P T B	- AIR PERCU - TRENCHIN - BOREHOLE - OTHER		I				
Ack Mis	Ack. M. 8/25/94 TECHNICAL REVIEWER: (SIGNATURE/DATE)								

COMMENTS: FIELD REPRESENTA	(IN): 2" CO ON: In Depression of Tre	RE HOLE DEPTH INSTRUCTION M	(FT): _ IETHOD 9	:		
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SAMPLE METHODS A - AUGER CUTTINGS D - DRIVE TUBE S - SHELBY TUBE H - HAND SCOOP O - OTHER	• CONSTRUCTION METHOD R - ROTARY (STATE ROT. A - AUGERED OR BORED C - CABLE TOOL D - DUG J - JETTED	ARY METHOD P T B	- AIR PE - TRENC - BOREHO - OTHER	OLE	N	
FORM COMPLETED BY: (SI	8/25/94 GNATURE/DATE)	TECHNICAL RE	/IEWER:	(SIGNATI	JRE/DATE)	

Page 1 of										
	SOIL BORING LOG	,)	,							
SITE ID: KETLO IS	DATE:		4							
LOCATION ID: 0088	BORE HOLE C	EPTH (FT):	- Q		1					
BORE HOLE DIAMETER (IN):	CONSTRUCT									
LOCATION DESCRIPTION:	In deprostion rear trenching	arca 1	Coenphy	s. Area)						
COMMENTS: Start at	- 1410 Sample at 1445									
FIELD REPRESENTATIVI	EIGH Pron									
LITHOLOGIC LOC	G (FOR TRENCH, MAKE ADDITIONAL SKET	CHES ON E	BACK AS	NEEDED)						
SAMPLE INTERVAL (FT) SAMPLE ID SAMPLE METHOD SAMPLE RECOVERY (%)		USCS GRAPHIC LOG	CONSTRCT WELL DATA	WATER DEPTH/ REMARKS	ELEVATION (FT)					
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4.F 503 600 000	Clayer Silly Sand 54R 3/4 Clarer Silly Sand 54R 3/4 Clayer Silly Sand 59R 3/4	5C SC SC SC SC		Wet Core wet Core						
SAMPLE METHODS A - AUGER CUTTINGS D - DRIVE TUBE S - SHELBY TUBE H - HAND SCOOP O - OTHER	A - AUGER CUTTINGS D - DRIVE TUBE S - SHELBY TUBE H - HAND SCOOP R - ROTARY (STATE ROTARY METHOD A - AUGERED OR BORED T - TRENCHING B - BOREHOLE O - OTHER									
AND 8/25/94 TECHNICAL REVIEWER: (SIGNATURE/DATE)										

BORE HOLE DIAMETER LOCATION DESCRIPTION	SOIL BORING LOG DATE: BORE HOLE CONSTRUCTION: _380 E, OP	DEPTH	I (FT) IETH	: OD: _	_		if <u>1</u>
to	TIVE(S): Johnson						
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FORM COMPLETED BY: (SIG	8/25/94 INATURE/DATE) TECHNICA	AL REV	IEWEF	R: (SIG	NATU	RE/DATE)	

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COMMENTS: Stark I	360E, YON of geophysical 595 Sampli 155 E(S): Ren	DEPTH TION N	H (FT)	OD: _		NEEDED)				
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Page 1 of _/											
SOIL BORING LOG SITE ID: DATE: _9/15/54											
SITE	ID:		4TL	715							
					BORE HOL						
BORE	HOLE	DIAN	METER	R (IN):	2 CONSTRUC	TION I	NETH ۱	OD: _	<u></u>		
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SOIL BORING LOG												
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	ID:			213	<u>.</u>	BORE HOLE		1 (FT)):	6	.01	
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СОМ	MENT	s:										
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0 -	OTHER	<u> </u>			J - JETTED	· · · · · · · · · · · · · · · · · · ·						
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FORM (COMPL	ETED E	Y: (SI	GNATU	RE/DATE)	TECHNICA	L REV	EWER	: (SIGN	NATUR	RE/DATE)	

Page 1 of												
	-				SOIL BORING LO	,						
SITE	ID: _	CRT	LD	150	DATE:	9//	5			6-01		
LOCA	TION	ID: _	01	34	BORE HOL	E DEPT	H (FT)):	1	6001		
BORE	OCATION DESCRIPTION: Geophyical Area 2, 160 =, 260 N											
LOCA	TION	DESC	RIPTI	ON: _	Geophyical Has a	16	<u> </u>	7	<u>a 6</u>			
СОМ	MENT	S:					<u> </u>					
FIEL	D RE	PRES	ENT	ATIV	E(S): Johnson							
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SAMPLE METHODS A - AUGER CUTTINGS

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- S SHELBY TUBE
- H HAND SCOOP
- O OTHER

CONSTRUCTION METHODS

- R ROTARY (STATE ROTARY METHOD P AIR PERCUSSION
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- C CABLE TOOL
- D DUG
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T - TRENCHING

B- BOREHOLE

O - OTHER

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				SOIL BORING LOG	1, 1	- 1				
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	1 of <u>7</u>
SOIL BORING LOG	
SITE ID: KRTLD 154 DATE: 9/16/44	_
LOCATION ID: 0149 BORE HOLE DEPTH (FT): 5.0	
BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A	
LOCATION DESCRIPTION: <u>Geoglyment</u> Arc ? (rater approx 150'south of Sur corner of grid. Out of gridder were.	_
COMMENTS:	
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FIELD REPRESENTATIVE(S): Pkm	
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	SOIL BORING LOG	11/				
SITE ID: LRTLD 150	d DATE: BORE HOLE I		FT):	6.	D C	
LOCATION ID:	CONSTRUCT	ION ME	THOD: _	A		
LOCATION DESCRIPTION:	Small Crave Geophys:	cal 1	frea	3	Aprex	
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COMMENTS:						
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nu al	1,					
FORM COMPLETED BY: (SIGNATI	TECHNICAL REVIEWER: (SIGNATURE/DATE)					

SOIL BORING LOG SITE ID: KRTLD 154 DATE: 8/26/94 LOCATION ID: 0151 BORE HOLE DEPTH (FT): 6 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A LOCATION DESCRIPTION: (rophysica) Arec 3. (roder in Sw corner North 5: 20 of crater just outside of crater. 80N 162E on grid COMMENTS: Start at 0850								
FIELD REPRESENTATIV								
SAMPLE INTERVAL (FT) SAMPLE INTERVAL (FT) SAMPLE ID SAMPLE NO	LITHOLOGIC DE Clayey Silfy Sand Clayey Silfy Sand Silfy Sand Silfy Sand Silfy Sand Silfy Sand Silfy Sand Silfy Sand Silfy Sand Silfy Sand Silfy Sand Silfy Sand Silfy Sand Silfy Sand Silfy Sand Silfy Sand Silfy Sand Silfy Sand	54R 4/c 54R 4/6 54R 4/6 54R 4/6 54R 4/6 54R 4/6 54R 4/6	5050 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	GRAPHIC LOG	CONSTRCT WELL DATA	Brows/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
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		Page 1 of				
SOIL BORING LOG SITE ID: KRTLD 154 LOCATION ID: O152 BORE HOLE DIAMETER (IN): O'' LOCATION DESCRIPTION: TO CONSTRUCTION METHOD: A COMMENTS: SON, DOOF GEOPHYSICAL ARA 3						
FIELD REPRESENTA						
LITHOLOGIC	LOG (FOR TRENCH, MAKE ADDITION	IAL SKETCHES ON BACK AS NEEDED)				
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FORM COMPLETED BY: (SIGNATURE/DATE) TECHNICAL REVIEWER: (SIGNATURE/DATE)						

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FORM COMPLETED BY: (SIGNATU	- 8/24/4 4 TECHNIC	AL REVIEWER: (SIGNATU	RE/DATE)		

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COMMENTS: Inside	BORE HOLE 1: 2" CONSTRU 50, 150 & Geophysica CIATE- VE(S): Johnson	8/26 LE DEPTH ICTION M	(FT): .	D: _/-			
LITHOLOGIC LO	OG (FOR TRENCH, MAKE ADDITIONAL S	KETCHES	ONB		אבבחבחו		
	LITHOLOGIC DESCRIPTION Clayer Silty SAND 7.57R 3/4 Clayer Silty SAND 7.57R 3/4 Clayer Silty SAND 7.57R 5/7 5YR 6/CI Silty SAND 5YR 6/LI Silty SAND 5YR 6/LI Silty SAND 5YR 8/LI Silty SAND 5YR 6/LI Silty SAND	55555555555555555555555555555555555555	GRAPHIC LOG	CONSTRCT WELL DATA	WATER DEPTH/ REMARKS	ELEVATION (FT)	
** SAMPLE METHODS A - AUGER CUTTINGS D - DRIVE TUBE S - SHELBY TUBE H - HAND SCOOP O - OTHER ** CONSTRUCTION METHODS R - ROTARY (STATE ROTARY METHOD P - AIR PERCUSSION T - TRENCHING B- BOREHOLE O - OTHER O - OTHER ** CONSTRUCTION METHODS R - ROTARY (STATE ROTARY METHOD P - AIR PERCUSSION T - TRENCHING B- BOREHOLE O - OTHER							
	8/26 FORM COMPLETED BY: (SIGNATURE/DATE) TECHNICAL REVIEWER: (SIGNATURE/DATE)						

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LATINGU	SOIL BORING	LOG 8/26/99	ł			
SITE ID: <u>ketwisy</u> Location ID: <u>0155</u>		RE HOLE DEPTH (FT):				
BORE HOLE DIAMETER (IN):	7	STRUCTION ME		Λ		
LOCATION DESCRIPTION: Geophysical Area 3, 260N 240E on grd. On South 5 ide of crater edge.						
	_	•				
COMMENTS: Start 10:	2)					
FIELD REPRESENTATIVE	E(S): PM					
	(FOR TRENCH, MAKE ADDITION	IAI SKFTCHES	ON BACK	AS	NEEDED)	
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FORM COMPLETED BY: (SIGNATURE/DATE) TECHNICAL REVIEWER: (SIGNATURE/DATE)						

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91	1	1/		8/0		;	TECHNICA	AL REV	IEWFF	: (SIGI	NATU	RE/DATE)	
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SITE ID:LOTLD IS COMMENTS:	BORE HOLE I CONSTRUCT Complying from ? 280N Creater wide creater	DEPTH (FT):	1. WH
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PORM COMPLETED BY: (SIGNATU	S/L6/9 / TECHNIC	AL REVIEWER: (SIGNAT	TURE/DATE)

	SOIL BORING					
SITE ID: KR720/54 DATE: 8/26 BORE HOLE DEPTH (FT):						
LOCATION ID:	BORE HOLE DEPTH (FT): BORE HOLE DIAMETER (IN): CONSTRUCTION METHOD:					
BORE HOLE DIAMETER	(IN): 20011 7/07 600	Ohie Are 3				
LOCATION DESCRIPTION	ON: ACON, SOBF DEC	phys Area 3				
COMMENTS:						
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FORM COMPLETED BY: (SIGNATURE/DATE) TECHNICAL REVIEWER: (SIGNATURE/DATE)						

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SITE ID: KRILD 15" DATE:	8/2	6				
LOCATION ID: O160 BORE HOLE	DEPTH	1 (FT)	:	Λ	·	
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LOCATION DESCRIPTION: 320 N, 390 E 600 pm	2510	A1_		res		
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	Page 1 of							
SOIL B	RING LOG							
SITE ID: KRTLD 154								
BORE HOLE DEPTH (FT):								
BORE HOLE DIAMETER (IN):	CONSTRUCTION METHOD:							
LOCATION DESCRIPTION: 3201, 225	Geophys ARA 3							
COMMENTS: On our edge of (gre.							
COMMENTS: OR DUTE Edge DT 12								
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SITE ID: KITL			,		
LOCATION ID:O1		BORE HOLE DEPTH (^		
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PORM COMPLETED BY: (S	IGNATURE/DATE)	TECHNICAL REVIEW	WER: (SIGNATUR	E/DATE)	

LOCATION ID:O/6 BORE HOLE DIAMETER (IN LOCATION DESCRIPTION: \lambda_{ex} +h COMMENTS:	Orophysical Aren 7 - arid	EPTH (FT): ON METHO	_{D:} A	Page 1 of	1
LITHOLOGICA	OG (FOR TRENCH, MAKE ADDITIONAL SKET	CHES ON E	BACK AS	NEEDED)	
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SAMPLE METHODS A - AUGER CUTTINGS D - DRIVE TUBE S - SHELBY TUBE H - HAND SCOOP O - OTHER	• CONSTRUCTION METHODS R - ROTARY (STATE ROTARY METHOD A - AUGERED OR BORED C - CABLE TOOL D - DUG J - JETTED	P - AIR P T - TREN B- BOREF O - OTHE	HOLE	N	
FORM COMPLETED BY: (SIGNATURE/DATE) TECHNICAL REVIEWER: (SIGNATURE/DATE)					

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	SOIL BORING LOG	,	L				
SITE ID: KATLOIS	DATE:	9/16	194				
LOCATION ID: 0206 BORE HOLE DEPTH (FT): 5.5							
BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A LOCATION DESCRIPTION: Geophysical Area 4. N 150 wast of Ww Corner of Srid. To linear degression on north i.de. ~ 30' South of road.							
LOCATION DESCRIPTION: _	Coophysical Area 4. N 150 was	st of	. WV	<u>ه) ر</u> د	orme	r of Srid.	
		n SP	<u>, </u>	<u> </u>			
COMMENTS:							
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H - HAND SCOOP O - OTHER)	D - DUG J - JETTED _/		OINC				
fel mi-	9/16/94						ļ
ORM COMPLETED BY: (SIGNATURE/DATE) TECHNICAL REVIEWER: (SIGNATURE/DATE)							

		SOIL RODING LOG					Page 1 o	11
SITE ID: KRTZ	D 15'	SOIL BORING LOG DATE:	1//	<u>5</u>		******		
LOCATION ID: _		· · · · · · · · · · · · · · · · · · ·			: _	<u>5.0</u>)	
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COMMENTS:	ل 12	long depression		- 				
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D - DRIVE TUBE S - SHELBY TUBE		C - CABLE TOOL	B-	BORE	HOLE	•		
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FORM COMPLETED B	Y: (SGNATI	JRE/DATE) TECHNICA	L REV	IEWER	: (SIGI	NATUR	RE/DATE)	

LOCATION DESCRIPT The Section COMMENTS: FIELD REPRESENT	SOIL BORING LOG DATE: 9/16/94 BORE HOLE DEPTH (FT): 4 CONSTRUCTION METHOD: A ION: Crophysical Area 4. ~ 150' west of Nus corner of St de linear digression. CATIVE(S): 14	ge 1 of
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SITE ID: KRTLD 157 LOCATION ID: 02/7 BORE HOLE DIAMETER (IN): 3" LOCATION DESCRIPTION: Geophys Area 4 280E, 300 N									
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	ATIVE(S): Johnson								
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Page 1 of 1										
SITE ID: KRTID 151/ LOCATION ID:										
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COMM	COMMENTS:									
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Page 1 of										
SITE ID: <u>VRTLD 151/</u> LOCATION ID: <u>022/</u> BORE HOLE DIAMETER (IN): <u>3"</u> CONSTRUCTION METHOD: <u>A</u> LOCATION DESCRIPTION: <u>Gently sical</u> Acol 20 F, 370 N										
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FIELD REPRESENT	ATIVE(S): Sohnso-									
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Page 1 of _									
SOIL BORING LOG SITE ID: LATEDISY DATE: 9/19/94 LOCATION ID: 0722 BORE HOLE DEPTH (FT): 5 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A LOCATION DESCRIPTION: (readwrited) Area Y ~200' NE of gridded area (roa' South of road. In depression on such side COMMENTS: FIELD REPRESENTATIVE(S): Prum LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)									
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Page 1 of 1															
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	Page 1 of/										
SOIL BORING LOG SITE ID: LRTLD IS DATE: S/30/94 LOCATION ID: D22C BORE HOLE DEPTH (FT): 4 BORE HOLE DIAMETER (IN): Z CONSTRUCTION METHOD: A LOCATION DESCRIPTION: (FORMSICE) Arec S. Just ent of I - been Approx: 25/00 200C. S. Hermost of 2 adjusted sumply. COMMENTS: Lit obstruction of 4' Stry + Sangle FIELD REPRESENTATIVE(S): Plean											
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	1111, 0/20kgy												
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1	SOIL BORING	LOG						
SITE ID: LETCO		E: 8/30/94						
LOCATION ID:		E HOLE DEPTH (FT):(6					
PORE HOLE DIAMETER	cor	ISTRUCTION METHOD: _	<u>A</u>					
LOCATION DESCRIPTI	ON: (rephysical Area 5 ->	350N 170E, North	harnon tol					
the 2 c	ON: (reophysical Area 5 ->	W	<u> </u>					
	TUTION DIAM							
FIELD REPRESENTA	ATIVE(S): PLM							
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TERV THOI	000	og .	OWS/ 6 IN MATER DEPTH/ EVATION (F)					
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V V	in 5:14 same 5 YR	1/4 Sn	- " [
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** SAMPLE METHODS	CONSTRUCTION METHODS							
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D - DRIVE TUBE S - SHELBY TUBE	C - CABLE TOOL	B- BOREHOLE						
H - HAND SCOOP O - OTHER	D - DUG ,J - JETTED	O - OTHER						
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		KR						BORE H		-			6.0)	
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	SOIL BORING	10.4								
SITE ID: KRTLD IS	54 DAT	E: <u>8/30/94</u>								
LOCATION ID: 0230		E HOLE DEPTH (FT):								
BORE HOLE DIAMETER (IN)		ISTRUCTION METHOD:	-							
LOCATION DESCRIPTION:		460N 80E								
- Halfaen	to steen post									
COMMENTS:										
FIELD REPRESENTATIVE(S): Pkm										
LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)										
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M-k. Min 7/26/27 TECHNICAL REVIEWER: (SIGNATURE/DATE)										

		Page 1 of							
LOCATION ID:	BORE H	HOLE DEPTH (FT): 6.0 TRUCTION METHOD: A							
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FIELD REPRESENTA	TIVE(S): Johnson								
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			SOIL BORING		,	,				
SITE ID:	RTLI	1154	DATE	i:	8/3c	194	<u></u>			
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large cont	<u> </u>	42	North of Crophysical Are jovent to green post.	(Nes	ecram.	<u>01⊬</u>	70-	1-		
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A - AUGER CUT D - DRIVE TUBE			A - AUGERED OR BORED	METHOL	T	- TREN	CHIN			
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O - OTHER			J - JETTED							
the kine	-	<i>\delta</i>	130/94							
FORM COMPLETED	RM COMPLETED BY: (SIGNATURE/DATE) TECHNICAL REVIEWER: (SIGNATURE/DATE)									

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Page 1 of											
	ei .			-, ,	SOIL BORING LOG DATE:	213	S A				
		RTL			DATE:BORE HOLE [6.	0	
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BORE	HOLE	DIAN	1ETEF	R (IN):	CONSTRUCT	ION N	1ETH	ງນ: •	-1 -	2015 06	
- LOCA	TION	DESC	RIPTI	ON: 🚄	2 100' Waste of . large.	(14	177		2	451 05	
	LOCATION DESCRIPTION: A 100' WORTH of large coares 5' east of Blue pipe.										
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FIELI	FIELD REPRESENTATIVE(S): Sohnson										
LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)											
	1	LITHO	LOGI		; (FOR TRENCH, MAKE ADDITIONAL SKE	CHE	J		73	(CLDLD)	
E	E		•	۷ (%)				CONSTRCT WELL DATA			
DEPTH INTERVAL (FT)	SAMPLE INTERVAL		۵ 9	SAMPLE RECOVERY			g	VELL			(FT)
TER	INTE	٥	METI	RECC			C LO	3CT V	9 /		NO.
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160	上			1 (7.5 YR 814 Clasey Sins Son	ببوا	-				
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		метно		1	CONSTRUCTION METHODS		415	חרם כי י	.cc.		
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s٠	SHELE	SCOO			C - CABLE TOOL D - DUG		- BORE - OTH				
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	m	, _	_	اريو	30/94						
FORM	ORM COMPLETED BY: (SIGNATURE/DATE) TECHNICAL REVIEWER: (SIGNATURE/DATE)										

			Page 1 of <u>1.</u>								
BORE HOLE DIAMETER (IN): LOCATION DESCRIPTION: COMMENTS:	OCATION DESCRIPTION: Confusion Area 5 - North of area in ide										
LITHOLOGIC LOC	G (FOR TRENCH, MAKE ADDITIONAL SKE	TCHES ON BACK AS	NEEDED)								
SAMPLE INTERVAL (FT) SAMPLE INTERVAL (FT) SAMPLE ID SAMPLE ID SAMPLE NO	Clarey Silty Sand 5 4P 5/6 Clary Silty Sand 5 4P 5/6	は い い い い い い い い い い い い い い い い い い い	WATER DEPTH/ REMARKS SUNCE POSSEDES								
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Mil Min 5/30/9 4 TECHNICAL REVIEWER: (SIGNATURE/DATE)											

	Page 1 of _											
					SOIL BORING		~ ~					
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LOCA	TION I	D: 0	23	5_	BOI	RE HOLE DEP	TH (F	- T): _	0	. <u>U</u>		
					<u>24</u> co	NSTRUCTION	MET	THOD	:	/±		
LOCA	TION I	DESC	RIPTI	ON:I	nside large Crater	North 1	of.	Ge	op	y hys	Areas	1
	LOCATION DESCRIPTION: Joside large Crater North of Geophys Area 5 on western Slope.											
COMN	COMMENTS:											
FIELD	FIELD REPRESENTATIVE(S): Johnson											
	LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)											
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M	M1 8/30/94											
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[•	SOIL BORING	LOG	/	1	1			
SITE ID:	LR	TLD	15		: <u> </u>	20/	94				
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BORE HOLE	DIAME	TER ((IN): .		TRUCT				1		
LOCATION D	ESCRI	PTIO	N:	Creophysical Hrea	5	(1	ude	()	<u> 254</u>	NUY Th	
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COMMENTS:	:		<u> </u>								
FIELD REPR	FIELD REPRESENTATIVE(S): Pran										
	LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)										
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reav NTE		SAMPLE METHOD	ECO				כ רספ	ICT V	N 9		EVATION (FT)
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1.5			ا رو	Clary Silty Sand SY	1020/1	SC-				c ebbles	<u> </u>
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			ەد	Clayer Si Hy Sand SY	6 2/c	20				Som pebbles (shows	-
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SAMPLE ME				 CONSTRUCTION METHODS R - ROTARY (STATE ROTARY 	METHO) P	- AIR	PERCU	10122	1	
D - DRIVE T	UBE			A - AUGERED OR BORED		Т		NCHINE	G		
S - SHELBY H - HAND S				C - CABLE TOOL D - DUG			- OTH				
O - OTHER				J - JETTED			···········	<u></u>	· · · · · · · · · · · · · · · · · · ·		
De no	!u~	· ~_		8/30/44			_			<u> </u>	
FORM COMPLE	RM COMPLETED BY: (SIGNATURE/DATE) TECHNICAL REVIEWER: (SIGNATURE/DATE)										

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BORI LOCA COM	HOLI Si'd MENT	ID: <u>(</u> E DIAI DESC 	METEI CRIPTI	7 (IN): ON: (DATE:BORE HOLE C	EPTH ON M	I (FT) IETH	OD: _	A	· · · · · · · · · · · · · · · · · · ·	
	LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)											
DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	AMPLE ID	SAMPLE METHOD •	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIP	TION	nscs	SRAPHIC LOG	CONSTRCT WELL DATA	NI 9 /SMOJE	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5 1.0 2.5 3.5 4.5 5.5 6.0		200	A	coste	7.5 YR 6/4 Claser 7.5 YR 6/4 Claser 7.5 YR 6/4 Claser 7.5 YR 6/4 Claser 7.5 YR 6/4 Claser 7.5 YR 6/4 Claser 7.5 YR 6/4 Claser 7.5 YR 6/4 Claser 7.5 YR 6/4 Claser 7.5 YR 6/4 Claser 7.5 YR 6/4 Claser 7.5 YR 6/4 Claser 7.5 YR 6/4 Claser 7.5 YR 6/4 Claser 7.5 YR 6/4 Claser 7.5 YR 6/4 Claser 7.5 YR 6/4 Claser 7.5 YR 6/4 Claser 7.5 YR 6/4 Claser	5:147 544 5:147 544 5:147 544 5:147 544 5:147 544 5:147 544 5:147 544						
D S	MPLE I AUGE DRIVE SHELE HAND	R CUT	rings E		• CONSTRUCTION METH R - ROTARY (STATE RO A - AUGERED OR BORD C - CABLE TOOL D - DUG J - JETTED	OTARY METHOD	T B-	- TRE	PERCU NCHING HOLE ER		I	···
EORIN	TECHNICAL REVIEWER: (SIGNATURE/DATE)											

		Page 1 c	11									
	SOIL BORING LOG	1 1 ,										
SITE ID: KRTLD IS	SITE ID:											
	LOCATION ID: 0238 BORE HOLE DEPTH (FT): 4,5											
BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: 14												
LOCATION DESCRIPTION: (reophysica) Area 5 North of Gridded area 75 North of 232 + 233 (Green Post) In area of exposed wheretee												
COMMENTS: Westernmost of 2 Jountiers.												
COMMENTS: SHIF obstration 1- 2 hour at 4,5												
FIELD REPRESENTATIVE(S): PKm												
LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)												
(FT)		0										
THOC		LOG S IN	N (FT)									
AMPLE INTERVAL AMPLE ID AMPLE METHOD		HIC IS	ELEVATION									
SAMPLE INTERVAL (FT) SAMPLE ID SAMPLE RECOVERY (*	LITHOLOGIC DESCRIPTION	CONSTRO WATER DEPTH/ REMARKS	ELEV									
5 100	Clayer Sily Sand 54R 5/4 Clayer Silty Sand 54R 5/4 Clayer Silty Sand 54R 5/4 Clayer Silty Sand 54R 5/4 Clayer Silty Sand 54R 5/4 Clayer Silty Sand 54R 5/4 Clayer Silty Sand 54R 5/4 Clayer Silty Sand 54R 5/4 Clayer Silty Sand 54R 5/4	SC Rock Fragman										
1,3	Cluyer Silty Sand 54R 5/4	Sc Rock Friguents	-									
[/·/_	Clayer Silty Fand 54R 79	SC Ruck Frynent	<u> </u> -									
20-1	Cloppy Silty Sand SIR 17	Sc Rah Frement	, -									
ZS 000 / 100	Clayer Silty Sand 5 4 14											
3.0-1	Clarky Silly Sand Olk 19											
	dayey Silly Sond 54R 5/4	SC Sch Face										
10-10-10	Clayer Silty Sard Syll 19	SC Fock Frags.										
4,5	Clarying Sitty Sand 3 1 11	J. Trace Prays	_									
	HITOBSTRUCTION ,		-									
	Clayer Silty Sand SYR 14 Clayer Silty Sand SYR 14 Clayer Silty Sand SYR 14 HIT OBSTRUCTION IN TWO HOLES AT 4.5		-									
AND SAFTUODS	construction METHODS											
A - AUGER CUTTINGS	R - ROTARY (STATE ROTARY METHO A - AUGERED OR BORED	DD P - AIR PERCUSSION T - TRENCHING										
D - DRIVE TUBE S - SHELBY TUBE	C - CABLE TOOL	B- BOREHOLE O - OTHER										
H - HAND SCOOP O - OTHER	D - DUG											
Al Miss	8/2/14											
FORM COMPLETED BY: (SIGNATI	JRE/DATE) TECHNIC	CAL REVIEWER: (SIGNATURE/DATE)										

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		SOIL BOR		/=/					
SITE ID: KRTLD			DATE:				7 5		
LOCATION ID:C			CONSTRUCT	JEPTH JEPTH	(FI)	. ——	<u>A</u>	-	
BORE HOLE DIAMET	ER (IN): _		LUNSTRUCT	10N N	ነድ የ በ ነ ተ ረ	مر ت	\ <u>\</u>	r 733	
LOCATION DESCRIP	TION: <u>C</u>	eophy > Ara 5.	~ 73	// 100/					
COMMENTS: 1-	tIr_	OBSTRuction	AT Y	51					
FIELD REPRESEN	TATIVE	(S): Johnson							
LITHOLO	GIC LOG	(FOR TRENCH, MAKE ADD	ITIONAL SKE	TCHES	ON	BACK	ASI	NEEDED)	·
SAMPLE INTERVAL (FT) SAMPLE ID SAMPLE ID	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIP	TION	uscs	GRAPHIC LOG	CONSTRCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5	14-01	1048 6/4 5/44 Sil	y Stick	31					_
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1.5		10 YR 574 CAYET Silty	saud	ક પ	:				_
2.9-T 0001 A	•	104RSJY Clayer 517	y Soul	34			İ		-
4		love 514 Clarry Si	ry save	57					<u> </u>
3.0	17	104R 5/4 Clayey Si 104R 5/4 Clayey Si 104R 514 Clayey Si	lay Soul	51					
3.3		INVESTA CLARY S	17 Soil	5n					一
4.5 1 4.5 1	100%	1048 514 Cluser Si	117 SAR	SA					
7.2 -	50%	(o the or)	•						
		,	• •						<u></u>
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		<i>.</i>		<u> </u>	<u> </u>				
SAMPLE METHODS A - AUGER CUTTING D - DRIVE TUBE S - SHELBY TUBE H - HAND SCOOP O - OTHER	is	* CONSTRUCTION METH R - ROTARY (STATE R A - AUGERED OR BOR C - CABLE TOOL D - DUG J - JETTED	OTARY METHO	T B	- TRE	PERCU NCHIN EHOLE IER		l	
2111-	8/	/3/_			,				
FORM COMPLETED BY:	(SIGNATU	RE/DATE)	TECHNIC	AL RE\	IEWE	R: (SIG	NATU	RE/DATE)	

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				SOIL BORING LOG								
SITE ID): <u> </u>	LTLD	154	DATE: _ &	/31/9	7_						
	ION ID: _			BORE HOLE	DEPTH	(FT)	:	6	//			
BORE F	HOLE DIA	METE	R (IN):	2 CONSTRUCT					-			
LOCAT	ION DES	CRIPT	ION: _	Geophystal Ares I North	10 1	A	<u> برح</u>	A	100× 750	H		
LOCATION DESCRIPTION: Geophysical Area North of Avec. Approx 75 north												
COMMENTS:												
FIELD REPRESENTATIVE(S): Plum												
FIELD	REPRES	SENI	AIIV	E(S): P (4000								
	LITH	OLOG	IC LO	G (FOR TRENCH, MAKE ADDITIONAL SKE	TCHES	ON	BACI	(AŞ	NEEDED)	1. 1		
	F.		8				DATA					
F	AL (I		AMPLE RECOVERY (%)				ורם/			ا ے		
R VA	TER	H 5	000			90	TWE	Z 9		N (F)		
Ν̈́	E E	AMPLE METHOD	LERE			JHC H	CONSTRCT WELL	9 /SMO		ELEVATION (FT		
DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	AMP	AMP	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONS	BLOV	WATER DEPTH/ REMARKS	ELEV		
5	<u>σ</u> <u>σ</u>	\ <u>s</u>	05	Clayery Silfy Sand 542 5/4 Clayery Silfy Sand 542 5/4 Clayery Silfy Sand 548 5/4 Clayery Silfy Sand 548 5/4 Silfy Sand (Medin/Course) 548 5/4 Silfy Sand (Medin/Course) 548 5/4 Silfy Sand (Medin/Course) 548 5/4 Silfy Sand (Medin/Course) 548 5/4 Silfy Sand (Medin/Course) 548 5/4 Silfy Sand (Medin/Course) 548 5/4 Silfy Sand (Medin/Course) 548 5/4	5<	V		•	Rock Frest			
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25	_		101	Sith Salludial SVR S/4	520			_	Zubb lus			
	ا ما	A	(00)	Silly Sale (medical Syl 5/4	5m			-	Cubbles	L		
3.0			Jav.	Fily Sand (Nod/Course) SYR 5/4	8~		#	4	Cobbles	_		
17	11		100	Sights Sent (hel/Course) SYR TH	810			-	Cobbly	_		
4.0	1		100	Silty Jend (and Known SYRSH	5n			_		_		
(a)	11		1-00	5: Hy Sure (Course) 5485/4	5	انيهت	-		- 4	_		
5,0		İ	/03	Filty Sent (Consu) & 65/4	sm				4			
6,0	1		100	Sity Sand (mollower) SYR5/4 Sitty Sand (mollower) SYR5/4 Silty Sand (core) SYR5/4 Silty Sand (core) SYR5/4 Silty Sand (core) SYR5/4 Silty Sand (core) SYR5/4	5~			-	kg	<u> </u>		
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		<u> </u>	<u> </u>					<u> </u>	1	1		
	PLE METHO			 CONSTRUCTION METHODS R - ROTARY (STATE ROTARY METHOD) P-	AIR F	PERCU	10122	1			
D - DI	RIVE TUBE			A - AUGERED OR BORED C - CABLE TOOL	Т-		CHING					
1	HELBY TUB AND SCOC			D - DUG	_	OTH						
0-0	THER			J - JETTED الر								
1/2	L. M	m		XB1194								
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I	SOIL	BORING LOG	- /								
SITE ID: KRTLD	154	DATE:	8/	3/							
LOCATION ID:O	٧٩/	BORE HOLE	DEPTH	(FT)	: <u> </u>	<u>, 0</u>)				
BORE HOLE DIAMETER	R (IN):	CONSTRUCT	ION M	IETH(DD: _	1+					
LOCATION DESCRIPTI	ON: 2 100' North	of 239			 ;						
	LOCATION DESCRIPTION: 2 100' Nort of 239										
COMMENTS:			<u></u>								
	ATIVE CON TOPPEN										
FIELD REPRESENT	ATIVE(S): Johnson										
LITHOLOG	IC LOG (FOR TRENCH, MAK	E ADDITIONAL SKE	TCHES	ON.	BACK	(AS	NEEDED)	,			
E	(%)				۲						
SAMPLE INTERVAL (FT) SAMPLE ID SAMPLE METHOD			ļ ļ		LDAT						
SAMPLE INTERVAL (FT) SAMPLE ID SAMPLE ID	SAMPLE RECOVERY			g	CONSTRCT WELL	Z		ELEVATION (FT)			
ME D	A EC			SRAPHIC LOG	RCT	ဖ		S S			
SAMPLE ID	APLE		uscs	APH	NST	ows/	WATER DEPTH/	.¥ Y			
	LITHOLOGIC D	ESCRIPTION		<u>"</u>	8	핆	REMARKS	표			
1.0 1.5 2.0	1009/048 7/4 COAMS	Silty Sand	SA.					_			
1.0	104R 7/4 COATS	Silty smil	Sn					_			
1.5	JOYR 7/4 COARSC	Silty SAN	SM					<u> </u>			
2.0	10 42 7/1/ (090	re silty sand	5m								
2.5	10427/4 (04M	re silty smil	5					<u></u>			
	10 42 714 (0Am	Sily sand	5-								
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4.2	10 41 7/4 10Am	. Stry Sad	5-								
1/6	10.10 =/4/ (340	e Sim Sand	5-								
50	1072 7/4 (04	MSC 511+ Subject	sn								
130	1042 7/4 COAN 1048 7/4 COA 10 4/2 7/4 COA 10 4/2 7/4 COA	rest State Stand	Sh								
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•• SAMPLE METHODS A - AUGER CUTTINGS	CONSTRUCTION R - ROTARY (ST	<u>N METHODS</u> FATE ROTARY METHOI) P	- AIR I	PERCU	SSION	ı				
D - DRIVE TUBE	A - AUGERED C	R BORED	T	- TRE	CHIN						
S - SHELBY TUBE H - HAND SCOOP	C - CABLE TOO D - DUG	L		BORE							
O - OTHER	J - JETTED										
non-	0/2,										
FORM COMPLETED BY: (S	O D/ IGNATURE/DATE)	TECHNIC	AL REV	IEWEF	R: (SIG	NATU	RE/DATE)				

·		Page 1 of									
SOIL BORING LOG SITE ID: KRTLD 154 DATE: 8/31/94 LOCATION ID: 0242 BORE HOLE DEPTH (FT): 6 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A LOCATION DESCRIPTION: Geophysical Area 5. North of grid Approx 250' east of O240 & O241. New Concrete pad covered with sheel plate COMMENTS: Sange from Su side of pad FIELD REPRESENTATIVE(S): Pkm LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)											
TERVAL (FT) TERVAL (FT) ETHOD COVERY (%)	TON THENON, MAKE ADDITION	ELL DATA									
SAMPLE ID SAMPLE ID SAMPLE ID SAMPLE RE	clayer Silty Sand (medium) SYR	CONSTRCT W SCS BLOWS & 6 IN LOS CONSTRCT W SCS CONSTRCT W SCS CONSTRCT W SCS CONSTRUCT W SCS C									
100 100 100 100 100 100 100 100	Clayer Silty Sand 54R Clayer Silty Sand 54R Clayer Silty Sand 54R Clayer Silty Sul 54R Clayer Silty Sul 54R	6/4 SC S Cobbles S/4 SC									
** SAMPLE METHODS A - AUGER CUTTINGS D - DRIVE TUBE S - SHELBY TUBE H - HAND SCOOP O - OTHER ** CONSTRUCTION METHODS R - ROTARY (STATE ROTARY METHOD T - TRENCHING B - BOREHOLE O - OTHER O - OTHER ** CONSTRUCTION METHODS R - ROTARY (STATE ROTARY METHOD T - TRENCHING B - BOREHOLE O - OTHER											
FORM COMPLETED BY: (SIGNATU	TECIDATE) TECI	HNICAL REVIEWER: (SIGNATURE/DATE)									

		Page 1 of									
	SOIL BORING	<u> </u>									
SITE ID: KATLD	DATE	: 8/3/									
LOCATION ID:Oユリ	BORE	HOLE DEPTH (FT): 6.0									
LOCATION DESCRIPTION: North East Corner of large Cement Pad w/ Sizel Plate. North east of Geophys area 5.											
LOCATION DESCRIPTIO	N: North East Corner &	of large Cement pad w/									
	THE PAST OF BEDTAYS IS										
COMMENTS:											
FIELD REPRESENTA	TIVE(S): Johnson										
	LOG (FOR TRENCH, MAKE ADDITION	AL SKETCHES ON BACK AS NEEDED)									
		ATA									
	RY (%)										
aval Erv	Sove	JSCS SRAPHIC LOG SRAPHIC LOG CONSTRCT WELL HLADD BLOWS/ 6 IN KWAND BLOWS/ 6 IN ELEVATION (FT)									
INTER	E R EC	SCS SRAPHIC LOG CONSTRCT W/ BLOWS/ 6 IN ELEVATION (6)									
DEPTH INTERVAL (FT) SAMPLE INTERVAL (FT) SAMPLE ID SAMPLE ID	FITHOLOGIC DESCRIPTION	USCS GRAPHIC CONSTR BLOWS/ ELEVATI									
	10% 10 YR 7/4 Clayey 5, H7	said sa									
1.0	104R 7/4 Clarry Sitty	Sme sn _									
11.5	104A 814 Clayer Siky	sine sn -									
2.0	1041 714 claser silvy	5m2 50									
2.5	1048 7/4 clasey Silty	SA-1									
3D T 0001 A	1048 7/4 Clasey 5, 184										
3.5	10 YR 7/4 Classey Silv	> 5 gad 5 m									
40	104R 574 Clayer silty 104R 574 Clayer Silty 104R 574 Clayer Silty 104R 574 Clayer Silty 104R 574 Clayer Silty 104R 574 Clayer Silty 104R 574 Clayer Silty	SAL ST									
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	107R 5/4 Clayer 5:117	344 54 SH									
5/2	MYA E/4 Clarey Gilty	She so									
5 <u>5</u> 6 <u>0</u> <u>U</u>	WYR 5/4 Clayer Silty	SANC SN									
10.0											
** SAMPLE METHODS	CONSTRUCTION METHODS CONSTRUCTION METHODS CONSTRUCTION METHODS	Y METHOD P - AIR PERCUSSION									
A - AUGER CUTTINGS D - DRIVE TUBE	R - ROTARY (STATE ROTAR) A - AUGERED OR BORED	T - TRENCHING									
S - SHELBY TUBE H - HAND SCOOP	C - CABLE TOOL D - DUG	B- BOREHOLE O - OTHER									
O - OTHER	J - JETTED	_									
11/11	8/3/										
FORM COMPLETED BY: (SI	GNATURE/DATE)	TECHNICAL REVIEWER: (SIGNATURE/DATE)									

•		Page 1 of/
LOCATION ID:	SOIL BORING LOG JSY DATE: BORE HOLE CONSTRUCT ON: By 2" Pipe W/ CAP N	E DEPTH (FT):
COMMENTS:		
FIELD REPRESENTA	TIVE(S): Johnson	
LITHOLOGIC	C LOG (FOR TRENCH, MAKE ADDITIONAL SK	ETCHES ON BACK AS NEEDED)
SAMPLE INTERVAL (FT) SAMPLE INTERVAL (FT) SAMPLE ID	NOITHOLOGIC DESCRIPTION	GRAPHIC LOG GRAPHIC LOG CONSTRCT WELL DATA CONSTRCT WELL DATA SALA SALA SALA CATION (FT)
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A - AUGER CUTTINGS D - DRIVE TUBE S - SHELBY TUBE H - HAND SCOOP O - OTHER	• CONSTRUCTION METHODS R - ROTARY (STATE ROTARY METHODS A - AUGERED OR BORED C - CABLE TOOL D - DUG J - JETTED	OD P - AIR PERCUSSION T - TRENCHING B- BOREHOLE O - OTHER
MM-	SNATURE/DATE) TECHNI	ICAL REVIEWER: (SIGNATURE/DATE)

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SOIL BOR		/ 2	L									
3/1C 10.	DATE:9 BORE HOLE D		(FT)		6.	0						
					A	_						
LOCATION DESCRIPTION: GRAVEL PIT, A 50' earl of Road												
on uest Side of Pit. >1	puttern	مال	~ 5	- 4	OCA	170m						
COMMENTS:	· · ·											
FIELD REPRESENTATIVE(S):												
LITHOLOGIC LOG (FOR TRENCH, MAKE ADD	ITIONAL SKET	CHES	ON	BACK	AS	NEEDED)						
(%) (%)				DATA								
SAMPLE INTERVAL (FT) SAMPLE ID SAMPLE METHOD . SAMPLE RECOVERY (* SAMP			,,	עברר כ			E					
AECO AETH			CLOC	ICT W	0 IN		NOI					
AMPLE ID AMPLE RECOVERY AMPLE RECOVERY		SCS	SRAPHIC LOG	CONSTRCT WELL	/smo	WATER DEPTH/	ELEVATION (FT)					
U V V V V LITHOLOGIC DESCRIPT			<u>"5</u>	8	B.	REMARKS	П					
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1.0 7.5912 0/1 Clayer 51)	my SANC	5~										
2.570 574 Clawy 5	117 5MC											
2.5 2001 A 7.57 R 714 Chyey 5	17, Sove	50										
3.0 7.5 YR 7/4 Clayey &	177 SAC	51_					_					
2.5 2001 A 7.57 R 7/4 Chyey 5 7.5 YR 7/4 Chyey 5 7.5 YR 7/4 Chyey 5 7.5 YR 7/4 Chyey 5 7.5 YR 7/4 Chyey 5 7.5 YR 7/4 Chyey 5 7.5 YR 7/4 Chyey 5 7.5 YR 7/4 Cha	Thy SAC	5-					_					
4.0 2.5 yr 7/4 Clayer 5	Silvy Sac	S h					-					
4.5 7.5 YR +/6 CATEY	ماء حمد	5										
50 259R 7/9 Clarry 9	ility Suc	5										
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• SAMPLE METHODS • CONSTRUCTION METHODS A - AUGER CUTTINGS R - ROTARY (STATE RO	IODS	D.	. AIR I	PERCU	SSION	•						
D - DRIVE TUBE A - AUGERED OR BORE		T	-	CHIN								
S - SHELBY TUBE C - CABLE TOOL H - HAND SCOOP D - DUG			- OTH									
O - OTHER J - JETTED												
11- 9/2	TECHNICA	I REV	IFWFF	R: (SIG	NATU	RE/DATE)						
FORM COMPLETED BY: (SIGNATURE/DATE)	TECHNICA			,								

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	SOIL BORIN	G LOG			:
SITE ID: KRTLT		TE: 9/2/94			
LOCATION ID: 02	<i>4</i> 7 во	RE HOLE DEPTH (FT	^		
BORE HOLE DIAMETER ((IN): CO	NSTRUCTION METH	OD:/ <u>1</u>		
LOCATION DESCRIPTION ع	N: Crowel P. 7. West 1 road. Further location	side of AH of	Mashal.	to ent	
COMMENTS: Sec					
FIELD REPRESENTAT	TIVE(S):				
LITHOLOGIC	LOG (FOR TRENCH, MAKE ADDITI	ONAL SKETCHES ON	BACK AS	NEEDED)	Ι
SAMPLE INTERVAL (FT) SAMPLE ID SAMPLE ID	WAMPLE RECOVERY (%)	USCS	CONSTRCT WELL DATA BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
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SAMPLE METHODS A - AUGER CUTTINGS D - DRIVE TUBE S - SHELBY TUBE H - HAND SCOOP O - OTHER	• CONSTRUCTION METHOD R - ROTARY (STATE ROTA A - AUGERED OR BORED C - CABLE TOOL D - DUG J - JETTED	RY METHOD P - AIR		N	
FORM COMPLETED BY: (SIGN	9/19/ NATURE/DATE)	TECHNICAL REVIEWS	:R: (SIGNATU	IRE/DATE)	

										Page 1 d	10	
					SOIL BORING LOG	1 .						
SITE	ID:	;	KRTI	0155	DATE:							
3		ID: _		_	BORE HOLE I	DEPTI	1 (FT)	ک_ :	5			
RORI	HOL	F DIA	METE	R (IN):	2 CONSTRUCT	ION N	ΛΕΤΗ:	OD: _	<u> A</u>			
100	LOCATION DESCRIPTION: Grave Pit. 75' east of rox! Northern mid											
				_	sample cree outsite at Pi	+ c	~ C 4					
1	MENT											
					12/11							
FIEL	D RE	PRES	SENT	ATIV	E(S):]	
		LITH	OLOG	IC LOC	G (FOR TRENCH, MAKE ADDITIONAL SKE	TCHE	S ON	BACK	(AS	NEEDED)		
	c							∢				
(FT)	ار آ			(٨ (%)				DAT.				
VAL	RVA			OVE!			ي	WELL	7		E E	
TER	N	₽	MET	REC			C LOG	RCT	N 9 /		0 N	
DEPTH INTERVAL (FT)	AMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	AMPLE RECOVERY		nscs	GRAPHIC	CONSTRCT WELL	ows/	WATER DEPTH/	ELEVATION (FT	
DEP	SA	SAI	SAI	SAI	LITHOLOGIC DESCRIPTION	Sn	G	ပ	<u> </u>	REMARKS		
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2.0				1-0	charges 5, thy sond 5 (16 94	ر در				les	-	
2.5				100	Clupy Silty Sun! SYR 1/4) C				rocks	\vdash	
? 2	_	1000	_	/٥٥	Clary Silty Sand SYN 19	3						
7,5		,	ľ	$ \infty $	Curry Silly Sand SYR 94) C					 	
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4,5	. \			100	clayers C: Hy Sand SYR 94	8c						
<u></u>				100	Charger Silly Soul SYP Y	10						
5.5—	4	-		6.0	Chapty Silly Sand SYR 6/4 Chapty Silly Sand SYR 6/4 Chapty Silly Sand SYR 6/4 Chapty Silly Sand SYR 6/4 Chapty Silly Sand SYR 6/7	5						
_	1				Hill obstruction at 5.5'						-	
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		AETHO			 CONSTRUCTION METHODS R - ROTARY (STATE ROTARY METHOD 	P	- AIR F	PERCU	SSION	I		
_	DRIVE	TUBE Y TUBE	=		A - AUGERED OR BORED C - CABLE TOOL		TREN	ICHING HOLE	i			
н-	HAND	scoo			D - DUG	_	- OTH					
97	OTHER		,		J - JETTED					<u> </u>		
//	k.	Mi	<u>i</u>	W	2/94							
FORM	COMP	CTED I	V. 101	CNIA	RE/DATE) TECHNICA	I REV	IEWER	: (SIGI	UJTAN	RF/DATE)		

			SOIL B	ORING LOG					Page 1 c	of		
SITE ID:	117	7/ 1/1	,	DATE:	9/2	/G Y	l					
LOCATION ID:			•	BORE HOLE	1 1): <i>(</i>	<u></u>	***************************************			
BORE HOLE DIA			· <u> </u>	CONSTRUCT				~ ~				
•			Con I P'+									
LOCATION DESCRIPTION: Grove Pit. In Pit about 20' from edge.												
COMMENTS:												
FIELD REPRE	SENT	ATIV	E(S): 7 km					-		·		
LITE	lorog	IC LO	G (FOR TRENCH, MAKE A	ADDITIONAL SKE	TCHE	S ON	BACH	(AS	NEEDED)			
DEPTH INTERVAL (FT) SAMPLE INTERVAL (FT) SAMPLE ID	ЕТНОО	COVERY (%)	√ (.			.00	CONSTRCT WELL DATA	Z	·	V (FT)		
SAMPLE IN	SAMPLE METHOD	SAMPLE RECOVERY	LITHOLOGIC DESC	CRIPTION	uscs	GRAPHIC LOG	CONSTRC	BLOWS/6	WATER DEPTH/ REMARKS	ELEVATION (FT		
25 1.5 1.5 20 25 3.4 7.5 4.5 5.5 5.5		100 (00 (00 (00 (00 (00 (00 (00 (00 (00	Clayer Silty Sent Clayer Silty Sun Clayer Silty Sun Clayer Silty Son Clayer Silty Son Clayer Silty Su	54R 6/4 2 54R 6/4 2 54R 6/4 2 54R 6/4 2 54R 6/4 2 54R 6/4	2 C S C S C S C S C S C S C S C S C S C				Styrobien, rue rock de lis	 		
SAMPLE METH A - AUGER CUT D - DRIVE TUBE S - SHELBY TU H - HAND SCOO O - OTHER	TINGS : BE		• CONSTRUCTION M R - ROTARY (STAT A - AUGERED OR B C - CABLE TOOL D - DUG J - JETTED	E ROTARY METHOD	T - B-							
FORM COMPLETED	Mu	CNATH	9/2/9 Y	TECHNICA	I REV	IFWER	· ISIGN	ATUE	RE/DATE)			

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I	•						SOIL	<u>BORIN</u>	<u>G LOG</u>	-1	`				
SITE	ID:	KRT	LD	154					TE:	91	<u> </u>				
LOCA	MOIT	ID:	06	250					RE HOLE				_		
BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: CON															
	LOCATION DESCRIPTION: 6 RAVEL PIT, April 100' Past of Road, Down in														
	COMMENTS: 11: - Wooden Obstruction AT 251 Colleged Sangel														
COMMENTS: Wit Wooden Obstruction AT JS Cottleson 1999 From 3 holes within 2 radius 1.5-2.51 Leep															
FIEL	D RE	PRES	ENT	ATIVI	E(S): _										
								. ADDITI	DAIAL CVE	TOUE	S ON	RACK	CASI	NEEDED)	
r 		LITHO	LOGI		(FOR	TRENC	H, MAKI	ADDITI	ONAL SKE	TOTIL	3 0.1	∀		1123437	
E	Œ			(%)								DAT.			
DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)		Q OT	SAMPLE RECOVERY							ی	CONSTRCT WELL			E
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_ <u>본</u>	APLE	SAMPLE ID	SAMPLE METHOD	APLE						USCS	SRAPHIC	INST	arows/	WATER DEPTH/	ELEVATION (FT)
	SAN	SAR	SAN					SCRIPTION	<u> </u>		G	Ö	표	REMARKS	<u> </u>
0.5	İ			100%		6/4	Chycy	7/147	SAND.	Sa					
11.0				 	107R	4/4	Charey	5117	Sand	حم					
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1	AUGE	R CUTT	rings			A - AU	GERED O	R BORED	RY METHO	T	- TRE	NCHIN		•	
¹ s-	SHELE	Y TUBI				C - CA	BLE TOOL	-			BORE - OTH				
	OTHE					J - JET			·						
1	11	11		a	د/										
FORM	COMP	ETED	BY: (SI	GNATU	JRE/DATI	E)			TECHNIC	AL RE	/IEWE	R: (SIG	NATU	RE/DATE)	

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		_	SOIL BORING LOG	- <i>1</i>					-
SITE ID:	KRILD	127	DATE:	9/1/	194				
LOCATION ID			BORE HOLE I						
BORE HOLE	DIAMET	ER (IN):	2 CONSTRUCT	ION N	NETH	OD: _	14		
LOCATION D	ESCRIP	TION: _	Dip 5 Test West Sid	<u>le o</u>	<u>} </u>	R. 50	7	Fac	
<u>~~(</u>	czterv	day	pression approx 75 rom read		Oer.	1 1	1 26	of depression	`
COMMENTS:									
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DEPTH INTERVAL (FT) SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAF	CONS	BLOV	WATER DEPTH/ REMARKS	ELEV
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' 1 1		(00	Clare CAT Cal 5 VR 7/3	5					
1.5			cl Site Soul SYR7/3	SC					
2.0		\an 107	Clay 9 5/19 See 54R 7/3	50				1 1	
2.5			Charles Charles	s c				<u> </u>	
3.0		100	clayery Sifty seal 310 12	C					<u> </u>
3,5	201 8	100	Claryey Salty Sand SINIS	SE					<u> </u>
и ,			cury silvy June 5 41-11	0,					_
4.5		(9U)	Clupy Silty Sant 542 13)					<u> </u>
5.6			Chury Silly Sand SYA'S	ا کر					_
5-14		100	Chapty S. Ity Sund SYR/3	20					-
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			STOP & SAMPLE		<u> </u>	<u> </u>	<u> </u>	<u> </u>	1
** SAMPLE MET A - AUGER C		;	 CONSTRUCTION METHODS R - ROTARY (STATE ROTARY METHOD) P	- AIR I	PERCU	SSION	I	
D - DRIVE TU S - SHELBY T			A - AUGERED OR BORED C - CABLE TOOL		- TREM	ICHING	3		
H - HAND SC			D - DUG	-	- OTH				
O - OTHER	<u></u>		J - JETTED	-					
1/20	t.No	m	3/197					DE (DATE)	
FORM COMPLET	ED BY: (S	SIGNATU	RE/DATE) TECHNICA	AL REV	IEWEF	i: (SIG	NATUI	RE/DATE)	

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				SOIL BOR	DATE:	st.	,	H) 1	•		
SITE ID:	KRT	LD /	54								
	N ID: _				BORE HOLE				A		
BORE HO	LE DIA	METEF	? (IN):	_ ~	CONSTRUCT	ION N	2040	טט: <i> </i>	Fa	·	
OCATIO	N DESC	RIPTI	Ω :NO ⊆	5' from road so	21/9 E	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	<u> </u>		<i>- 71</i>		
	NTS:										
FIELD F	REPRES	ENT	ATIVI	E(S): Johnson					<u> </u>		
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		JEOG.						ATA			
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	SOIL BORING LOG	9 /s
SITE ID: (RTL)		
LOCATION ID:		TION METHOD: A
BORE HOLE DIAMETER	N: Dip 5 7057 WET Side E	of Road a So'
LOCATION DESCRIPTION	n: Vip 3 25 West 3 VC 1	reved between depressions
COMMENTS:	•	
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FORM COMPLETED BY: (SIG	9/1 MATURE/DATE) TECHNIC	CAL REVIEWER: (SIGNATURE/DATE)

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	SOIL BORING LOG	/						
SITE ID: KRTWITY	DATE: <u></u>	- 1						
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FORM	COMPL	ETED (BY: (SI	GNATU	RE/DATE)				ECHNICA	4L HEV	ICVVE	1: (5)0	IAMIOI	IC/UA I	L1	

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- NOT FILL	BORE HOLE I CONSTRUCT DIPS Avea. Depression j	DEPTH (FT)	DD:	A) ç	vm rond.			
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FORM COMPLETED BY: (SIGNATURE/DATE) TECHNICAL REVIEWER: (SIGNATURE/DATE)								

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•	SOIL BORING LOG						
SITE ID: KRTLD	154 DATE: 9/						1
LOCATION ID: 035					_		
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LOCATION DESCRIPTION	ON: Dip 5 7000. First Lepne	-2-5/.		eas	5 D	KOAL	
COMMENTS:							•
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FIELD REPRESENTA	ATIVE(S): JOHNSON						
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S - SHELBY TUBE	C - CABLE TOOL D - DUG		BORE OTF	HOLE			
H - HAND SCOOP O - OTHER	J - DOG		J.1				
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SITE ID: KRTID 1		DATE: <u>9//</u>		1 3		
LOCATION ID: 09	59	BORE HOLE DEPTH	(FT):	6.6	<u> </u>	
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LOCATION DESCRIPTION	ON: Dip 5, Ego of	Road & 20	PAST	0	<u>, F</u>	
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FORM COMPLETED BY: (SI	GNÁTURE/DÁTE)	TECHNICAL REV	EWER: (SIG	NATUF	RE/DATE)	

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				BORING LOG	a la l	G(]				
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S - SHELBY TUBE C - CABLE TOOL B- BOREHOLE										
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	IVE TUBE ELBY TUB			C - CABLE TOOL	B-	BORE	HOLE	-		
H - HA O - OT	ND SCOO HER	P.		D - DUG J - JETTED	<u>.</u>	- OTH	icn	•		
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FORM CON	MPLETED	BY: (S	IGNATU	JRE/DATE) TECHNIC	AL REV	/IEWEF	R: (SIG	NATU	RE/DATE)	

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				SOIL BORING LOG	. 1	<i>(</i> .				
SITE ID: _		K	RTCD	DATE:	9/1	94				
LOCATIO				BORE HOLE				^		
BORE HO	F DIA!	METE	R (IN):	CONSTRUCT	NOI"	VETH(OD: _	4_	<u> </u>	
LOCATIO	N DESC	RIPTI	ON:	DIP 5 Area. 2nd depression from road. North site of	non	m	<u> (a.</u>	-g-	Approx	
				no mon road North side of		2133	100			
COMMEN	TS:									
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DEPTH INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	AMPLE RECOVERY (%)		uscs	SRAPHIC LOG	CONSTRCT WELL	BLOWS/ 6	WATER DEPTH/ REMARKS	ELEVATION (FT)
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		<u></u>	<u> </u>	CONSTRUCTION METHODS		<u> </u>	L	<u> </u>		
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D - DRIV S - SHEL		E		A - AUGERED OR BORED C - CABLE TOOL	B	BORE	HOLE	J		
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	TECHNICAL REVIEWER: (SIGNATURE/DATE)									

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		V 0_			SOIL BORING LOG OATE: 9	·),					
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1	BORE HOLE DIAMETER (IN): 2' CONSTRUCTION METHOD: 7										
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본	AMPLE INTERVAL	SAMPLE ID	SAMPLE METHOD	1PLE 5		S.	SRAPHIC LOG	CONSTRCT WELL	ows/	WATER DEPTH/	ELEVATION (FT)
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Α-	** SAMPLE METHODS A - AUGER CUTTINGS A - AUGER CUTTINGS A - AUGERED OR ROPED A - AUGERED OR ROPED T - TRENCHING										
s.	D - DRIVE TUBE A - AUGERED OR BORED T - TRENCHING S - SHELBY TUBE C - CABLE TOOL B- BOREHOLE H - HAND SCOOP D - DUG O - OTHER										
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				-	SOIL BORING LOG	ı	1			•	
SITE	ID:	14	RTL	015	1 DATE:	[1]	194	1			
LOCA	ATION	I ID:	02	64	BORE HOLE	•	1 (FT)):	<u>Q</u>		
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	OCATION DESCRIPTION: CONSTRUCTION METHOD:A										
COM	IMENT	rs: <u>(</u>	NIP	<u> </u>	rea. For extern depres	ممن	^	Jort	<u> </u>	ite at depre	SIX.
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		LITH	OLOG	IC LO	G (FOR TRENCH, MAKE ADDITIONAL SKE	TCHE	S ON	BACH	CAS	NEEDED)	<u> </u>
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ITER	INTE	₽	MET	RECC			C LO(ICT W	9	ļ	NO.
DEPTH INTERVAL (FT)	AMPLE INTERVAL	AMPLE ID	AMPLE METHOD	AMPLE RECOVERY (%)		nscs	SRAPHIC LOG	CONSTRCT WELL DATA	3LOWS/ 6 IN	WATER DEPTH/	ELEVATION (FT
	S.A.	SAI	SA	SAI	LITHOLOGIC DESCRIPTION	Sn	GR	္ပ	퓹	REMARKS	EL
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20_				100	· clayer hilly Sand 3916 19	50					
25_				pv	daying Sity Sand SIR 14	20		! :			
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3,< 4,0				100	Clayer Silty Sand Streets	Sc.			<u> </u>	cerent	
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12				100	Clay 7 514 500 54x7/3	۶c	_			L,	
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. —	• SAMPLE METHODS • CONSTRUCTION METHODS A - AUGER CUTTINGS • CONSTRUCTION METHODS R - ROTARY (STATE ROTARY METHOD P - AIR PERCUSSION										
D - DRIVE TUBE A - AUGERED OR BORED T - TRENCHING S - SHELBY TUBE C - CABLE TOOL B- BOREHOLE											
н-		scool			D - DUG J - JETTED		- OTH				
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1/	JEL M. 9/1/94 TECHNICAL REVIEWER: (SIGNATURE/DATE)										

		Page 1 of							
	SOIL BORING LOG	1. /44							
SITE ID: KRTLE	DATE: 9	1/1/91							
LOCATION ID:	LOCATION ID: 0265 BORE HOLE DEPTH (FT):								
BORE HOLE DIAMETER (IN): 3" CONSTRUCTION METHOD: A									
LOCATION DESCRIPTION	LOCATION DESCRIPTION: DIP 5, EAST of ROAL, 3rd depression Southern End.								
1	COMMENTS:								
FIELD REPRESENTA	TIVE(S): PLM, JJ								
TITHOLOGIC	LOG (FOR TRENCH, MAKE ADDITIONAL SKE	ETCHES ON BACK AS NEEDED)							
At (F)	87 (8)	GRAPHIC LOG CONSTRCT WELL DATA CONSTRCT WELL DATA BLOWS/6 IN SYNDA							
EPTH INTERVAL AMPLE INTERVA AMPLE ID AMPLE METHOD	9,00	SRAPHIC LOG CONSTRCT WEL CONSTRUCT WEL SYNDWAN SYNDWAN (HTGAN) FLEVATION (FT)							
EPTH INTE	8 8	GRAPHIC LOG GRAPHIC LOG CONSTRCT W CONSTRCT							
DEPTH INTERVAL (FT) SAMPLE INTERVAL (FT) SAMPLE ID SAMPLE METHOD	WAMPLE RECOVERY (%)	GRAPHIC CONSTR C							
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1-5	54R S/L/ Clayey Silty SANC	[
2.0	54K 314 Clayer Silty SAND								
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3.0 - 000 4	54R 5/4 Clarry Sitry SAAN	Uery Stigle							
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5.5	= 405/4 Clayer Silty SAL	4							
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** SAMPLE METHODS A - AUGER CUTTINGS	• CONSTRUCTION METHODS R - ROTARY (STATE ROTARY METHO								
D - DRIVE TUBE S - SHELBY TUBE	D - DRIVE TUBE A - AUGERED OR BORED T - TRENCHING								
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FORM COMPLETED BY: (SIG	NATURE/DATE) TECHNIC	CAL REVIEWER: (SIGNATURE/DATE)							

	SOIL PORING LOG	Page 1 of								
SITE ID. YPTZX	SOIL BORING LOG DATE:	9/2								
•	LOCATION ID: Date 7 0266 BORE HOLE DEPTH (FT): 6.0									
BORE HOLE DIAMETER	BORE HOLE DIAMETER (IN): \Rightarrow CONSTRUCTION METHOD: A									
LOCATION DESCRIPTIO	N: Generator Site, 2 10' Pa	955 of bop road.								
COMMENTS: 1 = -	Sample									
COMMENTS										
FIELD REPRESENTA	TIVE(S):									
LITHOLOGIC	LOG (FOR TRENCH, MAKE ADDITIONAL SKE	TCHES ON BACK AS NEEDED)								
E E	(%)	ATA								
AL (FI	VERY									
INTER ID METH	RECO	CS (APHIC LOG)NSTRCT WEL OWS/ 6 IN (H14430 BATION (FT)								
DEPTH INTERVAL (FT) SAMPLE INTERVAL (F SAMPLE ID SAMPLE METHOD	AMPLE RECOVERY	SRAPHIC LOG SRAPHIC LOG CONSTRCT WELL CONSTRCT WELL SYNDAM CONSTRCT WELL CONSTRCT WELL CONSTRCT WELL CONSTRCT WELL CONSTRCT WELL								
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15	P. STR 7/3 Clayer Silty SAK	Sn Comorrans								
25 \ 2001 4	7.57R 7/3 (14787 517 See									
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3. ₂ 3.5	2.578 7/3 CHATEY SILTY SAL	5-								
40	7.57R 713 Clayey Siry Soc									
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4, <u>y</u> 5.0 3.5	7.578 717 (Ayer Sitty SAN 7.570 7/3 (layer Sitty SAN 7.570 713 (layer Sitty SAN	5-								
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62	7.371 717 Caryey May me									
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D - DRIVE TUBE A - AUGERED OR BORED T - TRENCHING S - SHELBY TUBE C - CABLE TOOL B- BOREHOLE										
H - HAND SCOOP O - OTHER	D - DUG J - JETTED	O - OTHER								
1111-	9/1	,								
TECHNICAL REVIEWER: (SIGNATURE/DATE)										

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,	COU POPING LOG	<u>.</u>	Page 1 of _	_								
1, 2-12, 15-5	SOIL BORING LOG DATE:											
SITE ID: LRTLD 150		• • • •										
LOCATION ID: 026	BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A											
BORE HOLE DIAMETER (IN):				ļ								
LOCATION DESCRIPTION:	Generatur Site. Between	Lary Concre	te places									
COMMENTS:			and the same of the same of the same of the same of the same of the same of the same of the same of the same of									
FIELD REPRESENTATIVE	(S): Pkm											
LITHOLOGIC LOG	(FOR TRENCH, MAKE ADDITIONAL SE	ETCHES ON BAC	K AS NEEDED)									
SAMPLE INTERVAL (FT) SAMPLE ID SAMPLE METHOD SAMPLE RECOVERY (%)	,	USCS GRAPHIC LOG CONSTRCT WELL DATA	WATER DEPTH/ REMARKS	ELEVATION (FT)								
	LITHOLOGIC DESCRIPTION (1 LITH Sind SYR 5/4	200	· Ruchs chundant									
15 100 1	Chypy Sity Sond SYR She Chapey Sity Sond SYR She Chapey Sity Sond SYR She Chapey Sity Sond SYR She Chapey Sity Sond SYR She Chapey Sity Sond SYR She Chapey Sity Sond SYR She Chapey Sity Sond SYR She Chapey Sity Sond SYR She Chapey Sity Sond SYR Sh Chapey Sity Sond SYR Sh Chapey Sity Sond SYR Sh Chapey Sity Sond SYR Sh Chapey Sity Sond SYR Sh Chapey Sity Sond SYR Sh Chapey Sity Sond SYR Sh											
** SAMPLE METHODS A - AUGER CUTTINGS B - ROTARY (STATE ROTARY METHOD D - DRIVE TUBE S - SHELBY TUBE C - CABLE TOOL B - BOREHOLE D - DUG O - OTHER ** CONSTRUCTION METHODS B - AIR PERCUSSION T - TRENCHING B - BOREHOLE O - OTHER J - JETTED												
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				SOIL BORING LOG		,				
SITE ID: _					DATE: 9/2/94					
ł	LOCATION ID: 0268 BORE HOLE DEPTH (FT): 5,5									
BORE HO	BORE HOLE DIAMETER (IN): CONSTRUCTION METHOD:									
LOCATIO	OCATION DESCRIPTION: Covercutor Sittle on high area. Farthest from									
	shel retaining wall.									
COMMEN	15:									
FIELD RE	PRES	ENT	ATIV	E(S):PKU						
	LITU	n ng	ור ו חנ	G (FOR TRENCH, MAKE ADDITIONAL SK	ETCHE	S ON	BAC	(AS	NEEDED)	
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IVAL ERV		THOÇ	OVE			90	WEL	z		E)
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DEPTH INTERVAL (FT) SAMPLE INTERVAL (F	SAMPLEID	АМРСЕ МЕТНОО̀	AMPLE RECOVERY (%)		USCS	SRAPHIC LOG	CONSTRCT WELL DATA	BLOWS/ 6	WATER DEPTH/ REMARKS	ELEVATION (FT)
 	N N	တ်	\$ 7	Character SChd SVRS/4	<u>></u> SC	9	<u></u>	60	Rocki abonda	
,5			100	Charles Sitts Sand SYN 5/4	34					
12	ļ		رى، (ن	any Silly Soul SYR 8/4	sc					
20	ĺ		100	Ularer Silty Sant SYIL SY	Sc					
	0001	A	100	Silty Sant (Median) SYRS/4	5~					
28-			ان ا	Silly Send SYRS/4	Su					_
30				Clayer Sitty Sand SYRS/4 Clayer Sitty Sand SYRS/4 Clayer Sitty Sand SYRS/4 Clayer Sitty Sand SYRS/4 Clayer Sitty Sand SYRS/4 Clayer Sitty Sand SYRS/4 Sitty Sand (Nedian) SYRS/4 Sitty Sand SYRS/4 Hit obstration of 3.5'						_
				1 Note - Freeze						<u> </u>
				hore over, re-deger, obstruction at 3.5, Souple from 2-3.5						-
			,	0354CVATOR 7						\vdash
				Souple bron 2						-
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	1		l	CONSTRUCTION METHODS	1	L		I	<u> </u>	l
A - AUGE	* SAMPLE METHODS A - AUGER CUTTINGS R - ROTARY (STATE ROTARY METHOD P - AIR PERCUSSION A - AUGERED OR BORED T - TRENCHING									
D - DRIVI S - SHELI		E		A - AUGERED OR BORED C - CABLE TOOL	B-	BORE	HOLE	3		
H - HAND O - OTHE	scoo			D - DUG J - JETTED	0	- OTH	ER			
	,	nn.		a h less						
EORM COMP	<u>k . /</u>	////	SNATH	7/414 TECHNIC	AL REV	IEWER	: (SIGI	NATUR	RE/DATE)	

Page 1 of									
	SOIL BORING LOG	Liky							
	(DISY DATE: 9		5						
LOCATION ID:02		DEPTH (FT):							
BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A									
LOCATION DESCRIPTION: Generator Site Next to Steel retaining wall. On north Eile of wall.									
	COMMENTS:								
FIELD REPRESENTA	TIVE(S): PICA								
	# ·	TOURS ON BACK							
LITHOLOGIC	LOG (FOR TRENCH, MAKE ADDITIONAL SKET		AS NEEDED)						
DEPTH INTERVAL (FT) SAMPLE INTERVAL (FT) SAMPLE ID SAMPLE METHOÔ	AMPLE RECOVERY (%)	GRAPHIC LOG	WATER DEPTH/ REMARKS	ELEVATION (FT)					
0 0 0	LITHOLOGIC DESCRIPTION Situs Sont SYR 3/4	<u> </u>	m nemanks	<u> </u>					
1.3 1.5 2.5 2.5 3.5 4.0 4.5 5.0 4.5 6.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	Clargery Silty Sand SYR SIY Clargery Silty S	SC SC SC SC SC SC TC	- Pack Fragues						
A - AUGER CUTTINGS D - DRIVE TUBE S - SHELBY TUBE H - HAND SCOOP O - OTHER	A - AUGER CUTTINGS R - ROTARY (STATE ROTARY METHOD P - AIR PERCUSSION D - DRIVE TUBE A - AUGERED OR BORED T - TRENCHING B - BOREHOLE H - HAND SCOOP D - DUG O - OTHER								
FORM COMPLETED BY: (SIGN	L-K. Min 9/1/84								

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1			RING LOG	a 1 >						
SITE ID:			DATE:	7/0			2 <i>(</i>	<u> </u>		
LOCATION ID:	LOCATION ID: 0270 BORE HOLE DEPTH (FT): 3.0									
BORE HOLE DIAME	BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A LOCATION DESCRIPTION: Generator 5: xe, wear Southend of Metal									
LOCATION DESCRI	PTION: /	generator Six,	Near:	>04	, (~ [-	חכ		- INCIAL		
COMMENTS:										
1										
FIELD REPRESEN	VITATIV	E(S): <u>Johnson</u>								
LITHOLO	ogic Loc	G (FOR TRENCH, MAKE ADI	OITIONAL SKE	TCHE	S ON	BACK	AS	NEEDED)		
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EPTH INTERVAL (FT) AMPLE INTERVAL (FT) AMPLE ID	RY (%)					LDATA				
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DEPTH INTERVAL (FT) SAMPLE INTERVAL (F	SAMPLE RECOVERY	LITHOLOGIC DESCRIF	PTION	USCS	GRAPHIC	CONS	вгом	WATER DEPTH/ REMARKS	ELEV.	
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1.5 7 000 A	$\perp \perp \perp$	7.548614 Clayer	Silry Sone	5-						
) <u>9</u>		7.5 YR 4/4 (/4 ye)	Sy My Sha	,						
30-	1	7.54R 7/3 Clayey	שיהל קיוו יכ	>					-	
		Hir DBSTALLY	ナノー						\vdash	
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** SAMPLE METHODS	e	CONSTRUCTION METH ROTARY (STATE RE		p.	AIR P	ERCUS	SION			
D - DRIVE TUBE	D. DOCTIOLE									
S - SHELBY TUBE C - CABLE TOOL B- BOREHOLE H - HAND SCOOP D - DUG O - OTHER										
O - OTHER		J - JETTED								
MIL	- 9	/2								
FORM COMPLETED BY:	RM COMPLETED BY: (SIGNATURE/DATE) TECHNICAL REVIEWER: (SIGNATURE/DATE)									

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					SOIL BORING LOG	\ .	_				
SITE	ID: _	KRI	レン	15	C) DATE:						
LOCA	LOCATION ID: 0271 BORE HOLE DEPTH (FT): 6.0										
BORI	E HOL	E DIA	METE	R (IN):	CONSTRUCT	TION N	VETH	OD: _	/7	<u> </u>	
LOCA	ATION	DESC	CRIPT	ION: _	North EAST Corner of		الحد الح	ela	ۍد		
СОМ	MENT	rs:									
FIEL	D RE	PRES	ENT	ATIV	E(S): Johnson						
· · · · · · · · · · · · · · · · · · ·					G (FOR TRENCH, MAKE ADDITIONAL SKE	TCHE	s on	BACI	(AS	NEEDED)	
	Æ			(%)				DATA			
ار آ	AMPLE INTERVAL (FT)		۰	ERY				רפע			
ERVA	ITER	_	AMPLE METHOD	AMPLE RECOVERY			9O.	ONSTRCT WELL	Z		
TN T	LE IN	AMPLE ID	Ä	LE R			HIC	TRC	OWS/ 6 IN		ATIO
DEPTH INTERVAL (FT)	SAME	AMP	AMP	AMP	LITHOLOGIC DESCRIPTION	USCS	SRAPHIC LOG	CONS	BL OW	WATER DEPTH/ REMARKS	ELEVATION (FT)
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0.5 1.0 1.5 2.5 3.0 2.5 3.0 4.5 5.5 6.2 4.5 6.2 6.2 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3	S	100%	7.572 4/6 Clayer Sitry Sand 7.572 4/6 Clayer Sitry Sand 7.572 4/6 Clayer Sitry Sand 7.572 4/6 Clayer Sitry Sand 7.572 4/6 Clayer Sitry Sand 7.572 4/6 Clayer Sitry Sand 7.572 4/6 Clayer Sitry Sand 7.572 6/1/ Carry Sitry Sand 7.572 8/1 Sitry Sand 7.572 8/1 Sitry Sand 7.572 8/1 Sitry Sand 7.572 8/1 Sitry Sand 7.572 8/1 Sitry Sand 7.572 8/1 Sitry Sand 7.572 8/1 Sitry Sand	Sh Sh Sh Sh		7		SOME Cemuran	
SAMPLE MET A - AUGER CU D - DRIVE TU S - SHELBY T H - HAND SC O - OTHER	JTTINGS BE UBE		• CONSTRUCTION METHODS R - ROTARY (STATE ROTARY METHO A - AUGERED OR BORED C - CABLE TOOL D - DUG J - JETTED	T B				1	
FORM COMPLETE	ID RY: IS		30/94 IRE/DATE) TECHNI	CAL RE	/IEWEF	R: (SIG	NATU	RE/DATE)	

			Page 1 of			
COMMENTS: Sample I	BORE HOLE (DEPTH (FT): ION METHOD: _ Plack NEas	Hennost pad.			
1.5	LITHOLOGIC DESCRIPTION Medium Saud SYR S/4 Jome Debris Medium Saud SYR S/4 S. Hy Sand Fo SYR 4/4 Sity Clayey Sand To SYR 4/4 Sity Clayey Sand To SYR 4/4 Sity Sand Fo SYR 4/4 Possible chunks Sity Sand Fo SYR 6/4	S S S S S S S S S S S S S S S S S S S	WATER DEPTH/ REMARKS 90% Sul 10% Sil 70% Cul 30% Sil 70% Cul 30% Sil 70% Cul 30% Sil 70% Cul 40 60/40 60/40 60/40 60/40 60/40 60/40			
CONSTRUCTION METHODS A - AUGER CUTTINGS D - DRIVE TUBE S - SHELBY TUBE H - HAND SCOOP O - OTHER CONSTRUCTION METHODS R - ROTARY METHOD P - AIR PERCUSSION T - TRENCHING B - BOREHOLE O - OTHER D - DUG O - OTHER S - Y - Y - Y - Y - Y - Y - Y - Y - Y -						

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	SOIL BORING L								
SITE ID: KRTLD LOCATION ID: 025 BORE HOLE DIAMETER LOCATION DESCRIPTION ROL FROM	DATE:	8/24/a7 HOLE DEPTH (FT): b TRUCTION METHOD: A PST Bed PAL, SE MOST							
COMMENTS:	COMMENTS: Sample time 0916								
FIELD REPRESENTA	C LOG (FOR TRENCH, MAKE ADDITIONAL	A SKETCHES ON BACK AS NEEDED)							
SAMPLE INTERVAL (FT) SAMPLE ID SAMPLE ID	MPLE RECOVERY (%)	GRAPHIC LOG GRAPHIC LOG CONSTRCT WELL DATA BLOWS/ 6 IN //HLAGG							
0-61 1.51-2.51 2.51 3.01 Tra sisis 3.01 000) A	100 Light Brownis Sant, 6/2 10 100 Dark Yellowish Brown 107K 100 Brown 5/17 SANN 7.54	RUJU ME							
SAMPLE METHODS A - AUGER CUTTINGS D - DRIVE TUBE S - SHELBY TUBE H - HAND SCOOP O - OTHER	A - AUGER CUTTINGS D - DRIVE TUBE S - SHELBY TUBE H - HAND SCOOP R - ROTARY (STATE ROTARY METHOD A - AUGERED OR BORED T - TRENCHING B - BOREHOLE O - OTHER								
FOUR COURT EXTENDED. 15	O - OTHER J - JETTED O - OTHER TECHNICAL REVIEWER: (SIGNATURE/DATE)								

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			SOIL BORING LOG	j	!				
SITE ID:	KRILI	1154	DATE: _ 8/	24/	44				
LOCATION ID	•		BORE HOLE						
5005 1101 5 5	31 A B 4 E T	CD (1811)	2 construct	ION N	/ETH	OD: _	17		
LOCATION D	ESCRIP	TION: _	APT Test area. Pas furthes	F 40	1\	<u>u 1</u>	W.	J.H.	
west o	N 7	<u>(e</u>							
COMMENTS:		Som	do at 1145						
FIELD REPF	RESEN	TATIV	E(S): Pmiddlebrooke						
LI	THOLO	GIC LO	G (FOR TRENCH, MAKE ADDITIONAL SKE	TCHE	S ON	BACK	(AS	NEEDED)	
F		(%) \	·			<			_
SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE RECOVERY			SRAPHIC LOG	ONSTRCT WELL DAT	ows/ 6 IN		ELEVATION (FT)
SAMP	AMP	AMP	LITHOLOGIC DESCRIPTION	Septem	GRAF	CONS	BLOV	WATER DEPTH/ REMARKS	ELEV
	8 8	/J U	Test debris (plaster), w/ medium Sund 2.542 5/2 Clayey Sand SYR 4/4, Nove Jebris Clayey Sifty Sand 542 4/4	ŚΡ					
		ى س ر	Clayer Sand SYR 4/4, Nove Irbni	SC					
		100	Clayey Silty Sind SYR 4/4	SM		:			
	ļ	100	Chargey Sitty Sand SXX 4/4 .	5114					
م		100	Clayey Sitty Sand SXX 4/4 Silty Sand SYRY/4 Silty Sand 7.5 YR 6/2	SM		:			
	201 A	100	Silly Sand 7.5 YR 6/2	5~					
• -	'	in.	1>1+ Seed 1.0 YF 41 L	son					
		1	CIL CIA TITUR 4/2	SM					
(•—	Ì		5.164 Sand 7.5 YEE/2 W) Same	SM					Г
			Silve land 25 PEGT	Su					
		100	Silky Some TSYR 6/2	sm					
-		100	Sily Sand 7.5 YRe/2 in Some Sily Sand 7.5 YRe/2 in the Cenant?? Sily Sand 7.5 YR 6/2 Sity Sand 7.5 YR 6/2 Sity Sand 7.5 YR 6/2	5~					
			•						
			·						
SAMPLE MET	I THODS		• CONSTRUCTION METHODS						
A - AUGER C	UTTINGS	5	R - ROTARY (STATE ROTARY METHOD			ERCU:		I	
D - DRIVE TU S - SHELBY T			A - AUGERED OR BORED C - CABLE TOOL	B-	BORE	HOLE	•		
H - HAND SC O <u>-</u> OTHER	COOP		D - DUG J - JETTED	0	- OTH	ER			
2 OTHER			. /						
			<u> </u>					5.0.1	
ORM COMPLET	ED BY: (SIGNATU	RE/DATE) TECHNICA	L REV	EWER	: (SIGI	NATU	RE/DATE)	

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					SOIL BORING LOG	,					
				150	/ DATE: _ 8/-	24/9	4	. /	· ·		
LOCA	TION	ID: _(<u>⊅7</u>	9	BORE HOLE I						
BORE	HOLE	DIA	NETER	R (IN):	CONSTRUCT	ION M	1ETH(OD: _	14		
LOCA	OCATION DESCRIPTION: Sourh (west POD)										
	COMMENTS: Augerd in center of Debis on Pas.										
	MENI	2:	eger	<u> </u>	(C-CHT DI ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ						
FIEL	D RE	PRES	ENT	ATIV	E(S): Sohnson						
		LITHO	oLOGI	C LOC	G (FOR TRENCH, MAKE ADDITIONAL SKE	TCHES	ON	BACK	AS	NEEDED)	
	F							DATA			
DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT		٠	AMPLE RECOVERY (%)				ור ם/			٦
ERVA	ITER	_	ЕТНС	200			507	CONSTRCT WELL	Z Z		ELEVATION (FT)
N N T	LE IN	7.E 10	LE M	LERI		S	BRAPHIC LOG	STRC	3Lows/	WATER DEPTH/	/ATIC
)EPT!	SAMI	SAMPLE ID	SAMPLE METHOD	SAM	LITHOLOGIC DESCRIPTION	uscs	GRA	CON	BLO	REMARKS	ELE
0-05					7,54R 6/4 Light Brown Fine Sand	sP					<u> </u>
1.0					7.5/RS/4 Light Brown I respond	\$					<u> </u>
1 <u>.0</u> 1.5	_		· 		7-5/R4/4 Brown to Dark Brown 75 Dark Brown TO Dark Brown				ļ		<u> </u>
`					Sacjay was	C.L					
2,0					7.5 YR 4/4 Brown TO DAIL Brow	h c L					-
	_				Sandy Clay	SM					\vdash
2.5			,	/							
3.0	T	0001	A-	100	10 YR 5/6 Yellowish Brown SAND/SIT	517					
3.5	1				107K 5/6 Yellowish Brown soul	5~					
4.5					10 YR 5/6 Yellowish Brown sand 10 YR 5/6 Yellowish Brown sand 10 YR 6/6 Yellowish Brown sand 5 YR 6/2 Pinkish white sand/silt	ML					
4.5 6.0 6.5			<u> </u>	}	5YR 8/2 SASSITY SOUL 5YR 8/2 Silty Soul 5YR 8/2 Silty sand	mc					
65					STR KIL Silvy Sort	me					
6,0	<u>-</u>				STR of Silty suc	ML					
•• <u>SA</u>	MPLE !	METHO	<u>DS</u>		CONSTRUCTION METHODS						
	AUGE	R CUT	rings		R - ROTARY (STATE ROTARY METHOD A - AUGERED OR BORED			PERCU NCHIN		•	
s.	SHELB	Y TUB			C - CABLE TOOL D - DUG		BORE - OTH	HOLE			
	OTHE		t ·		J - JETTED						
1	22	7	Q	2/2	94						
FORM	ORM COMPLETED BY: (SIGNATURE/DATE) TECHNICAL REVIEWER: (SIGNATURE/DATE)										

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		SOIL BORING LOG	,						
SITE ID: LETL	D 157	DATE: S	<u>c419</u>	4	<u></u>				
LOCATION ID:		BORE HOLE I	DEPTH	(FT)	: _ <i>L</i>				
BORE HOLE DIAME	TER (IN):	Z CONSTRUCT							
LOCATION DESCRI	OCATION DESCRIPTION: Debas pile 50' west it location 0278								
COMMENTS:	35 Start	hing 1255 Sempl							
FIELD REPRESE	UT A TIV/I	EISI: PKM							
LITHOLO	OGIC LOC	G (FOR TRENCH, MAKE ADDITIONAL SKE	TCHES	ON	BACK	AS	NEEDED)		
a E	(%)				ATA				
) 'AL ((ERY D				CONSTRCT WELL DATA			ا ۾ ا	
RVA TERV	CO CO			50	T WE	Z		ELEVATION (FT)	
AT A B A B A B A B A B A B A B A B A B A	₩ ₩ ₩			S H	TRC	BLOWS/ 6 IN		ATIO	
DEPTH INTERVAL (FT) SAMPLE INTERVAL (FT) SAMPLE ID	SAMPLE METHOD SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	nscs	GRAPHIC LOG	CONS	BLOV	WATER DEPTH/ REMARKS	ELEV	
, — — — — — — — — — — — — — — — — — — —		Lucia Cyo Cled w/Ochris	SP	Ť					
1.5_	100	Fire Sind SYR 5/4 whebris Fire Sind SYR 5/4 whebris Silfy Sond 2.5 YR 4/4 Silfy Sond 7.5 YR 4/2 Silfy Sond 7.5 YR 4/2 Silfy Sond 7.5 YR 6/2	SP						
1.0	1-0	Fin Sand SYRS/4 Ul Debris	51						
	101	5:16450~1 2.5 YR 4/4	SM						
20 1 001 A	/04	Silty Sond 2.5 YR 4/4	SM					L	
P.S. 0001 A	امی	5. 14y Send 7.5 4P 4)2			,			<u> </u>	
<u>1,0</u>	100	Silty Soul 7.5 YR6/2	51					<u> </u>	
γ,ο \	120	Sity Sand 7512 6/2 we went	50-					<u> </u>	
	100	SILY SOND 7.5 YR 6/2	5m					<u> </u>	
115-1	100	Sity GA 7.5 YK 6/2	sm					<u> </u>	
	10-	silly Sond 1-3 1 F 0/2	Sm						
	امن	Silty Soul 1.3 yell whent Silty Soul 7.5 yr 6/2 Silty Soul 7.5 yr 6/2 Silty Soul 7.5 yr 6/2 1:1ty Soul 7.5 yr 6/2 Silty Soul 7.5 yr 6/2			Ì	ļ			
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			<u> </u>		<u> </u>		<u> </u>	1	
•• SAMPLE METHODS		CONSTRUCTION METHODS TOTALLY (STATE BOTARY METHODS)	n =	_ ΔΙΦ Ι	PERCU	AOIRR	1		
A - AUGER CUTTIN D - DRIVE TUBE	GS	R - ROTARY (STATE ROTARY METHO) A - AUGERED OR BORED	τ	- TREN	ACHIN		•		
S - SHELBY TUBE H - HAND SCOOP		C - CABLE TOOL D - DUG		BORE - OTH	HOLE				
O - OTHER	11-11AID COOK								
Box K. Mm.	· -	8/4/4 y							
FORM COMPLETED BY			AL REV	IEWEF	R: (SIG	NATU	RE/DATE)		

Page 1 of _								
SOIL BORING LOG								
SITE ID: KRTLD 154 DATE: 8/4/94								
LOCATION ID: 028/ BORE HOLE DEPTH (FT):								
BORE HOLF DIAMETER (IN): \Rightarrow 1 CONSTRUCTION METHOD: _/ \(\tag{F} \)								
LOCATION DESCRIPTION: LArge Lift mound North of westernmost PAD								
COMMENTS:								
FIELD REPRESENTATIVE(S): Till Johnson								
LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)								
SAMPLE INTERVAL (FT) SAMPLE INTERVAL (FT) SAMPLE METHOD SAMPLE METHOD SAMPLE METHOD OSCS CONSTRCT WELL DAT CONSTRCT WELL W								
METHON METERVAL								
SAMPLE INTERVAL (FT) SAMPLE INTERVAL (FT) SAMPLE ID SAMPLE METHOD SAMPLE METHOD USCS CONSTRCT WELL DA BLOWS/ 6 IN BLOWS/ 6 IN								
21- 10 VP 5/4 60 1								
10 10YR 5/6 SANC 15 7.5 YR 4/2 Silry SAND W/ SM								
whire pieces of Trest Delbiss								
7.5 YIZ 7/2 Silty Sand W/White San								
2.5 1000 A 20% 7.5 YR 7/2 SITY SAND W/While SM 3.0 TOOO A 20% 7.5 YR 7/2 SITY SAND W/Whrddows SM								
25 48 712 Silry sad w/whrdebsm								
7.5 YR 7/2 Silvy SAND W/Whr delism								
7.5>R 7/2 Salty Some applied of sen								
4.5 7 7/1 Silry Sond World deb sm								
55 7.5 YR 7/2 51/17 SAND WINTER SAND								
7.5 > R 7/2 Silry Some white deb som 7.5 > R 7/2 Silry Some white deb som 7.5 > R 7/2 Silry Some whate deb som 7.5 > R 7/2 Silry Some whate deb som 7.5 > R 7/2 Silry Some whate deb som 7.5 > R 7/2 Silry Some what deb som 7.5 > R 7/2 Silry Some what deb som								
* SAMPLE METHODS * CONSTRUCTION METHODS								
A - AUGER CUTTINGS R - ROTARY (STATE ROTARY METHOD P - AIR PERCUSSION D - DRIVE TUBE A - AUGERED OR BORED T - TRENCHING								
S - SHELBY TUBE C - CABLE TOOL B- BOREHOLE								
H - HAND SCOOP D - DUG O - OTHER O - OTHER J - JETTED								
1112 8/24								
FORM COMPLETED BY: (SIGNATURE/DATE) TECHNICAL REVIEWER: (SIGNATURE/DATE)								

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ı	SOIL BORING LOG	,				•			
SITE ID: <u>ERTLDIS</u>	DATE: _\&\\2	4/99	7						
LOCATION ID: 0282	BORE HOLE D	DEPTH	(FT):	_4					
BORE HOLE DIAMETER (IN):	BORE HOLE DIAMETER (IN): Z CONSTRUCTION METHOD: A								
LOCATION DESCRIPTION:	OCATION DESCRIPTION: 25 North of 0278 (Northwesternmont Pad)								
				٦/	.3.	-1 to 4'			
COMMENTS: Sample a	it 1405 Went into comented of how to 2' to collect sifficient	layer Sumo	61	<i>σ.</i>	1) • (re 10 /			
in later. Dred cajulo	ich At M	Ψ.							
FIELD REPRESENTATIVE									
LITHOLOGIC LOG	(FOR TRENCH, MAKE ADDITIONAL SKET	TCHES	ON	BACK	AS	NEEDED)			
SAMPLE INTERVAL (FT) SAMPLE ID SAMPLE ID SAMPLE METHOD SAMPLE RECOVERY (%)		nscs	RAPHIC LOG	CONSTRCT WELL DATA	TOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)		
	LITHOLOGIC DESCRIPTION	SM	5	<u> </u>	<u> </u>	REMARKS			
10 _ 100 1	of stopped, well into a covert layer Collect sample from 0-2.0	STINK NEW NEW	nc ML						
** SAMPLE METHODS A - AUGER CUTTINGS B - ROTARY (STATE ROTARY METHOD D - DRIVE TUBE S - SHELBY TUBE C - CABLE TOOL B - BOREHOLE H - HAND SCOOP O - OTHER ** CONSTRUCTION METHODS R - ROTARY (STATE ROTARY METHOD T - TRENCHING B - BOREHOLE O - OTHER									

-									Page 1 o	1
				SOIL BORING LOG	' > .					
·-				57 DATE: 8/	<u> </u>		٤	5.5	7	
	BORE HOLE DIAMETER (IN): $2^{\prime\prime}$ CONSTRUCTION METHOD: $4^{\prime\prime}$									
BORE HOLE	DIAN	METE	R (IN):	CONSTRUCTI					Z eas>	
LOCATION	OCATION DESCRIPTION: SMAll Dir Mound North FAST of South east									
COMMENTS	s: _{}	ìT	obs	Truction AT 5.5						
•				.0 —						
FIELD REF	PRES	ENT	ATIVI	E(S): Jeff Johnson			7.			
	LITHO	LOG	IC LOC	(FOR TRENCH, MAKE ADDITIONAL SKET	CHES	ON	BACK	AS	NEEDED)	,
_ F			%				ΨŁ	:	-	
DEPTH INTERVAL (FT) SAMPLE INTERVAL (FT	1	Q	AMPLE RECOVERY (%)				CONSTRCT WELL DATA			ے
ERVA		ЕТНС	Si Si			LOG LOG	T WE	Z		N Z
LE INT	, ii	AMPLE METHOD	LE RI	-6	,	GRAPHIC LOG	STRC	SLOWS/ 6 IN		ELEVATION (FT)
DEPTH INTERVAL (FT) SAMPLE INTERVAL (F	SAMPLE ID	SAME	SAME	LITHOLOGIC DESCRIPTION	uscs	GRA	CON	BLO	WATER DEPTH/ REMARKS	ELE
0,5				7.5 YR 6/4 Silry Sound	5M					
10				7.5 YR 5/4 SITY SAN	SA					<u></u>
1.5	1			5 YR 314 SI)ty SALD	52					<u> </u>
25 20 1.2	İ			7.5 YR 5/4 SITY SAND 5 YR 3/4 SITY SAND 5 YR 3/4 SITY SAND 5 YR 3/4 SITY SAND 7.5 YR 5/4 SITY SAND 7.5 YR 6/4 SITY SAND UF SAND	<i>/</i> _					-
		Λ		7.57R 5/4 5/18 500	zπ,					<u> </u>
	900	A	100%	7.57R 6/4 Silty Sant Uf State	M.P.					
2.5				7.5 1/2 6/4	1,7					
(e }				. ^	الا الا					
4.5				1 < yr 1/2 very for soil	<u> </u>					
<u>5.5</u>				7.5 YR 7/2 very fine Sand His obstruction not Able to Auger Legger						
40 -				Able to Auger Leaper	_					
]		—
						L	<u> </u>			
SAMPLE M				• CONSTRUCTION METHODS R - ROTARY (STATE ROTARY METHOD	P	- AIR I	PERCU	NOISS	ı	
D - DRIVE	D - DRIVE TUBE A - AUGERED OR BORED T - TRENCHING									
	S - SHELBY TUBE C - CABLE TOOL B- BOREHOLE H - HAND SCOOP D - DUG O - OTHER									
O - OTHER				J - JETTED						
111	_		8/29							
CORN COMPL	CTED D	V. /CI	CNIATI	RE/DATE) TECHNICA	I REV	IFWER	R: (SIG	NATU	RE/DATE)	

		Page 1 of							
LOCATION ID: 02 94 BORE HOLE DIAMETER (IN):	SOIL BORING LOG SITE ID: KETLD 154 DATE: 8/25/44 LOCATION ID: 0244 BORE HOLE DEPTH (FT): LOCATION DESCRIPTION: 15' North of SEasterney Pad								
COMMENTS:	COMMENTS:								
FIELD REPRESENTATIV	E(S): <u> </u>								
LITHOLOGIC LO	G (FOR TRENCH, MAKE ADDITION	AL SKETCHES ON BACK AS NEEDED)							
SAMPLE INTERVAL (FT) SAMPLE ID SAMPLE ID SAMPLE THOD: OF CE CE CE CE CE CE CE CE CE COVERY (%)	Clargey Silty Sul SYR 4/4 Chargey Silty Sund SYR 4 Chargey Silty Sund SYR 4 Chargey Silty Sund SYR 4 Chargey Silty Sund SYR 9 Silty Sund SYR 4/4 Silty Sund 37:54R7/2 6/6 Silty Sund 7:54R7/2 6/6 Silty Sund 7:54R7/2 6/6 Silty Sund 7:54R7/2 6/6 Silty Sund 7:54R7/2 6/6 Silty Sund 7:54R7/2 6/6 Silty Sund 7:54R7/2 6/6 Silty Sund 7:54R7/2 6/6 Silty Sund 7:54R7/2 6/6 Silty Sund 7:54R7/2 6/6 Silty Sund 7:54R7/2 6/6 Silty Sund 7:54R7/2 Silty Sund 7:54R7/2 Silty Sund 7:54R7/2	Construct Sur Sur Sur Sur Sur Sur Sur Sur Sur Sur							
SAMPLE METHODS A - AUGER CUTTINGS D - DRIVE TUBE S - SHELBY TUBE H - HAND SCOOP O - OTHER	• CONSTRUCTION METHODS R - ROTARY (STATE ROTARY) A - AUGERED OR BORED C - CABLE TOOL D - DUG J - JETTED	METHOD P - AIR PERCUSSION T - TRENCHING B- BOREHOLE O - OTHER							
FORM COMPLETED BY: (SIGNATU	De k. Mim 8/15/94								

		Page 1	1 of <u></u>							
BORE HOLE DIAMETER	SOIL BORING LOG SITE ID: KRTLD 15# DATE: 8/25 DATE: 8/25 BORE HOLE DEPTH (FT): 6.0 CONSTRUCTION METHOD: A COCATION DESCRIPTION: 33' FAST & VOITE PAST COTWEL of SOUTH PAST PAST.									
FIELD REPRESENTATIVE(S):										
	LOG (FOR TRENCH, MAKE ADDITIONAL SKET	TCHES ON BACK AS NEEDED)								
SAMPLE INTERVAL (FT) SAMPLE INTERVAL (FT) SAMPLE ID SAMPLE METHOD	LITHOLOGIC DESCRIPTION 7.5 YR 5/4 Silty SAND 7.5 YR 5/4 Silty SAND 7.5 YR 5/4 Silty SAND 7.5 YR 5/4 Silty SAND 7.5 YR 5/4 Silty SAND 7.5 YR 5/4 Silty SAND 7.5 YR 5/4 Silty SAND 7.5 YR 7/4 Silty SAND 7.5 YR 7/4 Silty SAND 7.5 YR 8/2 Silty SAND 7.5 YR 8/2 Silty SAND	GRAPHIC LOG GRAPHIC LOG CONSTRCT WELL DATA BLOWS/ 6 IN	ELEVATION (FT)							
3.5 3.5 4.0 4.5 5.0 5.5 6.0	7.5 YR 8/2 51/7 5002 (ATTAINS)	AC SAC ML ML ML ML ML								
* SAMPLE METHODS A - AUGER CUTTINGS D - DRIVE TUBE S - SHELBY TUBE H - HAND SCOOP O - OTHER **ORM COMPLETED BY: (SIGNATURE/DATE) **CONSTRUCTION METHODS R - ROTARY (STATE ROTARY METHOD P - AIR PERCUSSION T - TRENCHING B - BOREHOLE O - OTHER **OCH COMPLETED BY: (SIGNATURE/DATE) **CONSTRUCTION METHODS R - ROTARY (STATE ROTARY METHOD P - AIR PERCUSSION T - TRENCHING D - OTHER O - OTHER T - TRENCHING D - OTHER O - OTHER **TECHNICAL REVIEWER: (SIGNATURE/DATE)										

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1					SOIL BORING		1	میا				
SITE II	D:	KR	TLD	154		E:8	•					}
LOCAT	TION	ID:	07	186		E HOLE D				`~		
BORE	HOLE	E DIA	METE	R (IN):	Z CON	STRUCTI	ON M	IETH	OD: _	14		
LOCAT	TION	DESC	RIPTI	ON:	If Fi Test Bed A.	<u>, Ç</u>	ster	(Mas)	1 + a	crade	er. Intent	~
						ide of	<u>رية عن</u>	<u> </u>	<u>, </u>	·		
COMM	MENT	s:				· · · · · · · · · · · · · · · · · · ·						
	FIELD REPRESENTATIVE(S): Ptm											
FIELD	RE	PRES	ENI	ATIVE	=(5): <u> [FM </u>							
		LITHO	OLOG	C LOG	FOR TRENCH, MAKE ADDITION	VAL SKET	CHES	ON	BACK	AS	NEEDED)	
				(%)		1			∢ .			
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« AL	ERV,		THO	OVE		- [LOG	WEL	2		F (FT
NTE	Ī	₽	Σ	. REC		:		10 L	rRCT	S/ 6 IN		EVATION (FT)
DEPTH INTERVAL (FT)	AMPLE INTERVAL	AMPLE ID	SAMPLE METHOD	AMPLE RECOVERY			uscs	3RAPHIC	CONSTRCT WELL	Lows/	WATER DEPTH/ REMARKS	ELEV/
	S,	SA	SA	S,	clopy Silty Sand S Cloper Silty Sand S Cloper Silty Sand S Cloper Silty Sand S Cloper Silty Sand S Cloper Silty Sand S Cloper Silty Sand S Cloper Silty Sand S Cloper Silty Sand S Cloper Silty Sand S Cloper Silty Sand S	UTZ 4/4	<u>ڌ</u> ا ک	<u> </u>	U	8	REMARKS	<u> </u>
5				ريدر	Cloyyy SITTY SCAL S	40.4/4	50					
1.2				150	Clary Silty Sare 3	V8 4/4	ر کر					
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SOIL BORING LOG SITE ID: KRTLD 154 LOCATION ID: 0292 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION LOCATION DESCRIPTION: WESTER ELge OF WESTER WESTER BELLOCATION DESCRIPTION: DESCRIPTION: DESCRIPTION	PTH (FT):6.0 METHOD:
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SOIL BORING LOG SITE ID: KRTCD 154 DATE: 8/3/ BORE HOLE DEPTH (FT): 6.0 CONSTRUCTION METHOD: 1 LOCATION DESCRIPTION: DOTTLORD Edge of WESEIN MOST COMMENTS: 5									
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SITE I					DATE:	DEPTI	 	 :	3.5		
					2 CONSTRUCT	10N N	летн	OD: _	A-		
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	TION				to diff mound					•	
COM	COMMENTS:										
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L	•				G (FOR TRENCH, MAKE ADDITIONAL SKE	TCHE	s on	BACK	AS	NEEDED)	
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E	IF (FT)			AMPLE RECOVERY (%)				CONSTRCT WELL DATA			
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DEPTH INTERVAL (FT)	SAMPLE INTERVAL	SAMPLE ID	AMPLE METHOD	AMPL	LITHOLOGIC DESCRIPTION	USCS	SRAPHIC LOG	SNO	BLOWS/ 6	WATER DEPTH/ REMARKS	ELEVATION (FT)
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3				• ت ا	Silly Sind SYR 7/3	SM				Rock debrig	
35-	\downarrow	-			1		:				-
Ĭ —					Obstruction at 7.5' Re-augered hole. Hit obstruction again, Sary's from Z-3.5'						<u> - </u>
					Re-avered hole. Hit					·	
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					<i>9</i> }						-
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· SAN	APLE M	IETHO	DS	L	CONSTRUCTION METHODS	<u> </u>	1		1		
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S - S	SHELB	Y TUBE			C - CABLE TOOL	B-	BORE	HOLE			
1	HAND OTHER	SCOO!	۲ 		D - DUG	<u> </u>	- 0111				
W.	- 1	ļ	Mi		9/1/94						
FORM C	OMPL	ETED E	171113 3Y: (SIC	SNATU	RE/DATE) TECHNIC	AL REV	IEWER	: (SIGI	NATUR	RE/DATE)	

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	SOIL BORING LOG				9 - 7 -	·· —			
SITE ID: KRTID		1/2							
LOCATION ID:		DEPTH	(FT): _	3.	.5				
BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: 7									
LOCATION DESCRIPTION	IN DCT HOST, SOUTH WE		A		dir Pila	٠.			
from Road	. South South ears of D	حدمه		bunk					
COMMENTS:									
FIELD REPRESENTA	TIVE(S): Johnson								
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a F	(%)		Į Ą						
EPTH INTERVAL (FT) AMPLE INTERVAL (FT) AMPLE ID			A C						
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INTE INTE	я. В		HC L	9/8		ATIO			
SAMPLE INTERVAL (FT) SAMPLE ID SAMPLE ID	SAMPLE RECOVERY	uscs	SRAPHIC LOG	3LOWS/6	WATER DEPTH/ REMARKS	ELEVATION (FT)			
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•• SAMPLE METHODS	CONSTRUCTION METHODS				1				
A - AUGER CUTTINGS	R - ROTARY (STATE ROTARY METHOD A - AUGERED OR BORED	-	AIR PERC						
D - DRIVE TUBE S - SHELBY TUBE	C - CABLE TOOL	8- B	OREHOL						
H - HAND SCOOP O - OTHER	D - DUG J - JETTED	0 - 0	OTHER						
	9/2								
FORM COMPLETED BY: (SIGN	7/	L REVIEV	WER: (SI	GNATUR	RE/DATE)				

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								Page 1 c	of \bot
			BORING LOG DATE:9/	1,190	/				
ì		27	DATE:/	DERT	1 /57				
BORE HOLE DIAMETER (IN): 2 BORE HOLE DEPTH (FT): 3 CONSTRUCTION METHOD: A									
BORE HOLE DIAME	EH (IN)	·	T		(, ,	ob	2/2	G×20.	
LOCATION DESCRIP	1110N: _ 700'	DCT tlest.	lou' sorth	in the	م مجا	<u>d</u>	1 - CV	316	
COMMENTS:	See	12/0 W	"						
FIELD REPRESEN	TATIV	(E(S): <u> </u>			-				
UTUOLO		G (FOR TRENCH, MAK	E ADDITIONAL SKE	TCHE	S ON	BACK	(NEEDEDI	
	\neg	G (FOR TRENCH, MAK	L ADDITIONAL ORL					, ,	П
SAMPLE INTERVAL (FT) SAMPLE INTERVAL (FT) SAMPLE ID	(%) >					CONSTRCT WELL DATA			
SAMPLE INTERVAL (FT) SAMPLE INTERVAL (F	SAMPLE RECOVERY				(3	ÆLL			E
INTE ID	REC				2 10	ICT V	<u>Z</u> 9		NO
SAMPLE INTERVAL	APLE			၂ ဗ္ဂ	SRAPHIC LOG	NSTE	ows/	WATER DEPTH/	ELEVATION
SAN SAN	SAN	LITHOLOGIC D	ESCRIPTION	Uscs	GR	္ပ	E.C.	REMARKS	3
.5_	106	Clypy SiHy S Clayer SiHy S Clayer Silly S Si Hy Sand Si Hy Sand Si Hy Sand	~~2 5yR >/4	Sc Sc				9. 1.1	<u> </u>
1.0	100	Chary 5,147	5 5 1 5/W	5				Pochs about	<u> </u>
1,5	10.	Cayu Sily?	Sand SYR 17	SA			_	Courable	
7,0 T (1)01 A	120	SiAY Sond	5 4 R 1/2	22			_	,. (A	
2.5	100	S: Ity Saud	5/16/1)	51				~	
3e	ده ا	Silly Sand	3416 77						
	Ì	Hit obstract 3 holes Stop + Sar	L'm in						_
		(11/1 823/146	1 -2 1					·	
		5 holes	ct)						
		-1- 4560	~~L						
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	İ								
• SAMPLE METHODS		• CONSTRUCTION			410.5	CD 01 10	elor.		
A - AUGER CUTTINGS D - DRIVE TUBE	i	A - AUGERED OR	ATE ROTARY METHOD BORED	Τ.	TREN	ERCUS CHING			
S - SHELBY TUBE H - HAND SCOOP		C - CABLE TOOL D - DUG			BOREH OTHE				
O - OTHER		J - JETTED							
D-4 Mill		9/2/94							
FORM COMPLETED BY: (S	IGNATU	RE/DATE)	TECHNICA	L REVII	WER:	(SIGN	ATUR	E/DATE)	

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SITE ID: KRTLD !	SOIL BORING LOG DATE:	3/29						
LOCATION ID: 0301):	6.1	0			
BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD:								
LOCATION DESCRIPT	ON: Southern end of large Crare	c, Sou	Lea	<u> ۲</u>	of beophys			
ARA								
COMMENTS:								
FIELD REPRESENT	ATIVE(S):							
	IC LOG (FOR TRENCH, MAKE ADDITIONAL SKE	TCHES ON	BACK	Δς Ι	NEEDEDI			
		TOTILS ON			112227			
	(%) \		CONSTRCT WELL DATA					
EPTH INTERVAL (F AMPLE INTERVAL AMPLE ID AMPLE METHOD		98	WELI	z		į (FT)		
LE INTE	38	JSCS GRAPHIC LOG	TRCT	ows/ 6 IN		EVATION (FT)		
SAMPLE INTERVAL (FT) SAMPLE INTERVAL (F SAMPLE ID	MAMPLE HE WE COOKERY	USCS	CONS	BLOW	WATER DEPTH/ REMARKS	ELEV,		
		SN sa						
0.5 <u>.0</u> .5 2.0 2.5	10% 7.5 YR 5/8 Silty SANC. 9.5 YR 5/8 Clayery Silty Sand 7.5 YR 5/8 Clayery Silty Sand	54-	İ					
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2 <u>.0 </u>	7.54R 5/8 Clayery Silty Sond 7.54R 5/8 Clayery Silty 3ad 7.54R 5/8 Clayery Silty Sand 7.54R 5/8 Clayery Silty Sand 7.54R 5/8 Clayery Silty Sand	54				-		
2.5 - 0001 A	7.54R F/18 Clayery Sitty 300	34				<u> </u>		
3.0	7.5 YN 3/6 Clayey 3 my SAN	GL GL				<u> </u>		
3.5	7.5 412 518 444ey 1177 2000	54				-		
4 <u>.0 </u>	7.5 YR 5/8 Clayey silty sad 7.5 YR 5/8 Clayey silty sad 7.5 YR 5/16 Clayey Silty sad 5 YR 8/2 Clayer Silty sad 5 YR 8/2 Clayer Silty sad	2~						
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62	15 YA 8/2 Clayey Sitty Sone	3n			CEMONTHA'N	-		
						<u> -</u>		
-								
•• SAMPLE METHODS	CONSTRUCTION METHODS	<u> </u>	1			1		
A - AUGER CUTTINGS D - DRIVE TUBE	R - ROTARY (STATE ROTARY METHOD A - AUGERED OR BORED	-	PERCUS					
S - SHELBY TUBE	C - CABLE TOOL D - DUG	B- BOR	EHOLE					
H - HAND SCOOP O - OTHER	J - JETTED	J - 011				·		
Im.	8/29/04					,		
FORM COMPLETED BY: (SI	GNATURE/DATE) TECHNICA	AL REVIEWE	R: (SIGN	IATUF	RE/DATE)			

		•	Page 1 of 1					
SOIL BORING LOG SITE ID: KRTLD 154 DATE: 8/21/14 LOCATION ID: 0307 BORE HOLE DEPTH (FT): 6 BORE HOLE DIAMETER (IN): 7 CONSTRUCTION METHOD: A LOCATION DESCRIPTION Lark Crater approx 100' Sw of Avea 3. In crater On Northeast Fine Approx. 50' Auxth of mad. COMMENTS: FIELD REPRESENTATIVE(S): Prom LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)								
SAMPLE INTERVAL (FT) SAMPLE INTERVAL (FT) SAMPLE ID SAMPLE TO SAMPLE METHOD	LITHOLOGIC DESCRIPTION LITHOLOGIC DESCRIPTION LOS Clayer Silty Sand 54R LOS CLAYER SILTY SAND 54R LOS CLAYER SILTY SAND 54R LOS CLAYER SILTY SAND 54R LOS CLAYER SILTY SAND 54R LOS CLAYER SILTY SAND 54R LOS CLAYER SILTY SAND 54R LOS CLAYER SILTY SAND 54R LOS CLAYER SILTY SAND 54R LOS CLAYER SILTY SAND 54R LOS CLAYER SILTY SAND 54R LOS CLAYER SILTY SAND 54R LOS CLAYER SILTY SAND 54R LOS CLAYER SILTY SAND 54R LOS CLAYER SILTY SAND 54R LOS CLAYER SILTY SAND 54R LOS CLAYER SILTY SAND 54R LOS CLAYER SAND 54R LOS CLAYER SAND 54R LOS CLAYER SAND 54R LOS CLAYER SAND 54R LOS CLAYER SAND 54R LOS CLAYER SAND 54R LOS CLAYER SAND 54R LOS CLAYER SAND 54R LOS CLAYER SAND 54R LOS CLAYER SAND 54R LOS CLAYER SAND 54R LOS CLAYER SAND 54R LOS CLAYER SAND 54R LOS CLAYER SAND 54R LOS CLAYER SAND 54R LOS CLAYE	S/C SC CONSTRCT WELLDATA S/C SC SC SC SC SC SC SC SC SC SC SC SC SC	RKS III					
** SAMPLE METHODS A - AUGER CUTTINGS D - DRIVE TUBE S - SHELBY TUBE H - HAND SCOOP O - OTHER ** CONSTRUCTION METHODS R - ROTARY (STATE ROTARY METHOD P - AIR PERCUSSION T - TRENCHING B - BOREHOLE O - OTHER ** OTHER D - DUG D - DUG D - DUG T - TRENCHING B - BOREHOLE O - OTHER ** OTHER D - OTHER ** TECHNICAL REVIEWER: (SIGNATURE/DATE)								

		Page 1 of
COMMENTS: FIELD REPRESENTAT	BORE HOLE I NI: 2" CONSTRUCT Approx 75' South of Roy No. 12 pof Crave IVE(S): Johnson	DEPTH (FT): 6.0 FION METHOD: A A 100' EAST WILL FA
	OG (FOR TRENCH, MAKE ADDITIONAL SKE	■
SAMPLE INTERVAL (FT) SAMPLE ID SAMPLE ID SAMPLE ID	LITHOLOGIC DESCRIPTION	GRAPHIC LOG GRAPHIC LOG CONSTRCT WELL DAT HAND WATER ATION (FT)
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SAMPLE METHODS A - AUGER CUTTINGS D - DRIVE TUBE S - SHELBY TUBE H - HAND SCOOP O - OTHER	• CONSTRUCTION METHODS R - ROTARY (STATE ROTARY METHOD A - AUGERED OR BORED C - CABLE TOOL D - DUG J - JETTED	D P - AIR PERCUSSION T - TRENCHING B- BOREHOLE O - OTHER
FORM COMPLETED BY: (SIGNA	8/39/94 TURE/DATE) TECHNICA	AL REVIEWER: (SIGNATURE/DATE)

					Page 1 of	1		
•	SOIL BORING							
SITE ID: KRTLD 154		E: <u>8/29/94</u>						
LOCATION ID: O304 BORE HOLE DEPTH (FT):								
BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: #								
LOCATION DESCRIPTION:	Approx 150' Snth of 030	1 030g. 1	In Crute	appr	<u> </u>			
75' South of re	Approx 150' South of 030 ed. South edge of co	e of Area 3.						
COMMENTS:	That get army and		· · · · · · · · · · · · · · · · · · ·					
FIELD REPRESENTATIVE	E(S): Phun							
			ON BACY	AC NICE	DEDI			
LITHOLOGIC LOG	(FOR TRENCH, MAKE ADDITIO	VAL SKETCHES		AS NEE	JEDI			
DEPTH INTERVAL (FT) SAMPLE INTERVAL (FT) SAMPLE ID SAMPLE METHOD SAMPLE RECOVERY (%)		nscs	GRAPHIC LOG CONSTRCT WELL DATA	0 1	ATER DEPTH/ REMARKS	ELEVATION (FT)		
- - - - - - - - - - - - - - - - - - -	LITHOLOGIC DESCRIPTION	52 17		one Org				
5.5 5.5 6.0 7.0 7.0 7.0 7.0 7.0 7.0	Clary Silty Sand 542 Clary Silty Sand 545 Clary Silty Sand 54 Clary Silty Sand 5 Clary Silty Sand 5 Clary Silty Sand 5 Clary Silty Sand 5 Clary Silty Sand 5 Clary Silty Sand 5 Clary Silty Sand 5 Clary Silty Sand 5 Clary Silty Sand 5 Clary Silty Sand 5 Clary Silty Sand 5 Clary Silty Sand 5 Clary Silty Sand 5 Clary Silty Sand 5	n 5/4 Sc 10. 5/6 Sc 10. 5/6 Sc 10. 5/6 Sc 10. 5/6 Sc 10. 5/6 Sc 10. 5/6 Sc 10. 5/6 Sc 10. 5/6 Sc	-	one Org				
** SAMPLE METHODS A - AUGER CUTTINGS D - DRIVE TUBE S - SHELBY TUBE H - HAND SCOOP O - OTHER ** CONSTRUCTION METHODS R - ROTARY METHOD F - AIR PERCUSSION T - TRENCHING B - BOREHOLE O - OTHER O - OTHER								
FORM COMPLETED BY: (SIGNATU	8/29/94/ RE/DATE)	TECHNICAL REV	EWER: (SIG	NATURE/D	ATE)			

	<u></u>							Page 1 of	1
			SOIL BORING LOG)-					
SITE ID: CP				8/•	7			0	
LOCATION ID:	Ü	305	BORE HOLE						
BORE HOLE DIA	AMETE	R (IN):	2" CONSTRUCT						
LOCATION DES	SCRIPTI	ION: _ <u>\$0 u</u>	North North West USGS it of large pipe. Inside	40	uth	<u>ern</u>	11:6	s of crare	
COMMENTS: _									
FIELD REPRE	SENI	AIIV	E(S):						
LITI	HOLOG	IC LO	G (FOR TRENCH, MAKE ADDITIONAL SKE	TCHE	SON	BACK	AS	NEEDED)	
f. E		(%)				DATA			
DEPTH INTERVAL (FT) SAMPLE INTERVAL (F	율	SAMPLE RECOVERY			_U	VELL			Œ
TER INTE	SAMPLE METHOD	RECO			SRAPHIC LOG	CONSTRCT WELL	N 9 /		NOI
SAMPLE IN	MPLE	MPLE		USČS	APHI	TSNO	SLOWS/	WATER DEPTH/	ELEVATION
SAI SAI	SAI	N S	LITHOLOGIC DESCRIPTION		8	S	<u> </u>	Some organics	\vdash
0.5		100%	7.5 YR 5/4 Clayer Siling Sand 7.5 YR 5/4 Clayer Siling Sand 7.5 YR 6/4 Clayer Siling San	SM				שושב עון אייש	
1.0		1/	7.570 614 Chyon Siry SAM	151					_
15岁	İ		7.5 YR 6/4 Charey Siny su	150					
2.5		1/]				
3.0 4 000	Ak	11	7.5 YR 6/4 Clayey Silty Stud 7.5 YR 6/4 Clayey Silty Stud	5m	1				
3.5	`	1 1	10 + 40 c// plane (4) 44 food	500					
4.0			2.5 YA 6/6 Chayey Sitry Sand 7.5 7 R 6/6 Chayey Sitry Sand 7.5 7 R 6/6 Chayey Sitry Sand 5 YR 8/2 Chayey Sitry Sand 5 YR 8/8 Chayey Sitry Sand	SM					
4.5		11	7.57R 6/6 Clarey 517 540	55.					_
5.0			7.570 6/6 Chyer 517 5md	34					-
5.5		1/	5 YR 8/2 clayer sitty sand	54				Comparally	_
62			SYR 8/4 Clayey Silty said	51				Comparati	+
-				1					-
		<u> </u>	A CONSTRUCTION METHODS	_L	1	<u> </u>	<u> </u>		<u> </u>
A - AUGER CU			• CONSTRUCTION METHODS R - ROTARY (STATE ROTARY METHO					1	
D - DRIVE TUB S - SHELBY TU			A - AUGERED OR BORED C - CABLE TOOL	В	BORE		G		
H - HAND SCO	OP		D - DUG J - JETTED	0	- OTH	IER			
4000-		1.0							
FORM COMPLETE		29/		AL RE	/IEWE	R: (SIG	NATU	RE/DATE)	

		Page 1 of								
	SOIL BORING LOG	1 Pto Colore								
SITE ID: KRTLD	SITE ID: KRTLD 154 DATE: 8/29/94									
LOCATION ID: 0304 BORE HOLE DEPTH (FT): 6										
BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A										
LOCATION DESCRIPTIO	IN: SSTM Add On. North Six	h of Road to Arecs ~ 100/								
COMMENTS:										
FIELD REPRESENTA	TIVE(S): Pen									
UTHOLOGIC	LOG (FOR TRENCH, MAKE ADDITIONAL SKE	TCHES ON BACK AS NEEDED)								
	RY (%)	LDAT								
THOE	SOVE	CT WEL								
INTER INTER	EREC	S/ (S/ ATIC								
SAMPLE INTERVAL (F	SAMPLE RECOVERY	USCS GRAPHIC GRAPHIC CONSTRO BLOWS/ 6 ELEVATIC								
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1/3 —	100 Cleyer Sity Sund 54R 5/6 100 Cleyer Sity Sand 54R 5/6 100 Clayer Silty Sund 54R 5/6	Sc oguiss, Ceneal								
	os clayer silty smd SYR S/6	1 1 1 1 1								
2.0 1 0001 A	you dayey silty sond syl %									
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30 1	100 Clayer Silly deal SYR %	sc -								
F.5- 1	100 Clarpy Silty Sunt 5 YR 1/0	Sc								
y.a_	, D Clayer Silty Sand SYRTIV	s c								
1"	100 Clayey sity size SYR 8/4	Sc Poul district								
	10) Cluyey Sity Jord 54R 7/2	(carate)								
55-	100 Clayery Silty Said SYR 5/6 100 Clayery Silty Said SYR 5/6 100 Clayery Silty Said SYR 7/2 100 Clayery Silty Said SYR 7/2 100 Clayery Silty Said SYR 7/2	Sc Cenenter								
f. 0 1	100 Claser St. 1	pricent								
•• SAMPLE METHODS A - AUGER CUTTINGS	 CONSTRUCTION METHODS R - ROTARY (STATE ROTARY METHOD 	P - AIR PERCUSSION								
D - DRIVE TUBE	A - AUGERED OR BORED C - CABLE TOOL	T - TRENCHING B- BOREHOLE								
S - SHELBY TUBE H - HAND SCOOP	D - DUG	O - OTHER								
O - OTHER	J - JETTED									
J-Je Muse	8/21/54	AL REVIEWER: (SIGNATURE/DATE)								
FORM COMPLETED BY: (SIG	NATURE/DATE) TECHNICA	AF UFAIFAFUT FOLDIAM LOUFLANTEL								

	SOIL BORING LOG	Page 1 of
COMMENTS:	DATE: DATE: DATE: CONSTRUCT OF USGS WELL OF	DEPTH (FT): 6.0
LITHOLOGIC	LOG (FOR TRENCH, MAKE ADDITIONAL SKE	TCHES ON BACK AS NEEDED)
SAMPLE INTERVAL (FT) SAMPLE ID SAMPLE ID	SAMPLE RECOVERY (%) NOITHOLOGIC DESCRIPTION	GRAPHIC LOG GRAPHIC LOG CONSTRCT WELL DATA BLOWS/ 6 IN BLOWS/ 6 IN SYNEWAL SYN
	7.5 YR 6/4 Clayery Silty SALL 7.5 YR 6/4 Clayery Silty SALL 2.5 YR 6/4 Clayery Silty SALL 7.5 YR 6/4 Clayery Silty SALL 7.5 YR 6/4 Clayery Silty SALL 7.5 YR 6/4 Clayery Silty SALL	5M 6M 5M 5M 5M 5M
** SAMPLE METHODS A - AUGER CUTTINGS D - DRIVE TUBE S - SHELBY TUBE H - HAND SCOOP O - OTHER	• CONSTRUCTION METHODS R - ROTARY (STATE ROTARY METHOD A - AUGERED OR BORED C - CABLE TOOL D - DUG J - JETTED	P - AIR PERCUSSION T - TRENCHING B- BOREHOLE O - OTHER
FORM COMPLETED BY: (SIGN	8/29/9 ^c /	AL REVIEWER: (SIGNATURE/DATE)

							Page 1 c	of <u>1</u>	
-	SOIL	BORING LOG	1 1	a. 1					
SITE ID: LRTLD IS	-		•	99					
LOCATION ID: 0308 BORE HOLE DEPTH (FT): 6									
BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A LOCATION DESCRIPTION: STM Add On. Approx 150' due north of well 1001 75' cast of 0305,0306. On wast pre of cruter									
LOCATION DESCRIPTION: _	STM Add On. 0305,0306. 1	y mary time of	المربد	var j	y of	We	71 100 1		
COMMENTS:									
FIELD REPRESENTATIVE	E(S): <u>PLM</u>								
	G (FOR TRENCH, MAK	E ADDITIONAL SKE	TCHES	SON	ВАСК	AS	NEEDED)	T 7	
TH INTERVAL (FT) MPLE INTERVAL (FT) MPLE METHOD MPLE RECOVERY (%)			scs	GRAPHIC LOG	CONSTRCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)	
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** SAMPLE METHODS A - AUGER CUTTINGS D - DRIVE TUBE S - SHELBY TUBE H - HAND SCOOP O - OTHER ** CONSTRUCTION METHODS R - ROTARY (STATE ROTARY METHOD P - AIR PERCUSSION T - TRENCHING B - BOREHOLE O - OTHER O - OTHER ** CONSTRUCTION METHODS R - ROTARY METHOD P - AIR PERCUSSION T - TRENCHING B - BOREHOLE O - OTHER									
FORM COMPLETED BY: (SIGNATE	8/24/44 URE/DATE)	TECHNIC	AL REV	IEWER	l: (SIG	NATU	RE/DATE)		

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-						COU PO	RING LOG					Page 1 of	+
	L	- ^ .			,	SUIL BUI	DATE:	۶/ ۵	29			•	
SITE ID							BORE HOLE D				6. 6)	
LOCAT					_	11					A		
BORE H	LOCATION DESCRIPTION: User Pass of uses well 1001. Fasser Max Clarer. Inside Sw 1: p of Clarer								.				
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FIELD	REF	PRES	ENT	ATIVE	E(S): _	Johnson					-		
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										DATA		-	
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	S A	S A	SA			LITHOLOGIC DESCRI	(- 1	5 5n	٣	0_	an an	REMARKS	<u> </u>
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10					D TIC	2/4 2/1/ 1	wer Sal	51					
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6.0				11	57R	לחיר דיי	10/2006					·	<u> </u>
\parallel					İ								
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- SAM		METHO			•	R - ROTARY (STATE) P	- AIR	PERCU	101221	N	
D-1	DRIVE	TUBE	_			A - AUGERED OR BO		Т		NCHIN HOLE	G		
-		SCOO		-		C - CABLE TOOL D - DUG		_	- OTH				
	OTHE					J - JETTED							
1	21	1		87	29/9	The state of the s							
FORM C	OMPL	LETED	BY: (S		JRE/DAT		TECHNIC	AL REV	'IEWEI	R: (SIG	NATU	RE/DATE)	

								Page 1 o	
			SOIL BORING LOG					, 040	
SITE ID:	KETLI	215		129/	94				
LOCATION ID	•		BORE HOLE			:_6	,		
			2_ CONSTRUC						
LOCATION DE									
	CSTN	- 1	100 Ann 150'0/= of s	<u></u> بو اا	100		Apor	x 75'earl	
COMMENTS:	<u> </u>	7 + 03	don. Armox 150'NE of a	just	in	اعد			
FIELD REPR	RESENT	ATIV	E(S): Phon						
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NTER	o Marie M	E REC			SRAPHIC LOG	CONSTRCT WELL DATA	ows/ 6 IN		ELEVATION (FT)
DEPTH INTERVAL (FT) SAMPLE INTERVAL (F	SAMPLE ID	SAMPLE RECOVERY	LITHOLOGIC DESCRIPTION	nscs	GRAP	CONS	вгом	WATER DEPTH/ REMARKS	ELEV,
S OF	ý ý	143	Clargery Silty Sand 5 YR 5/6 Clargery Silty Sand 5 YR 5/6 Clargery Silty Sand 5 YR 5/6 Clargery Silty Sand 5 YR 5/6 Clargery Silty Sand 5 YR 5/6 Clargery Silty Sand 5 YR 5/6 Clargery Silty Sand 5 YR 5/6 Clargery Silty Sand 5 YR 5/6 Clargery Silty Sand 5 YR 5/6 Clargery Silty Sand 5 YR 5/6 Clargery Silty Sand 5 YR 5/6 Clargery Silty Sand 5 YR 5/6 Clargery Silty Sand 5 YR 5/6 Clargery Silty Sand 5 YR 5/6	SC				Some comen!	
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20 0	01/0	ىمر	Cluzar silly Sand 5 Va 5/6	S.C.					\vdash
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bo V		100	dayor Sily Sare 3/2/			ļ			
					}				
•• SAMPLE ME	L THODS	1	CONSTRUCTION METHODS						
A - AUGER C	CUTTINGS		R - ROTARY (STATE ROTARY METHO A - AUGERED OR BORED	-	- AIR I - TREI			1	
D - DRIVE TU	TUBE		C - CABLE TOOL D - DUG	_	- BORE) - OTH				į
H - HAND SO O - OTHER			J - JETTED						
Wer.	m	·	8/19/97						
ORM COMPLET	ED BY: (S	IGNATU	TECHNIC	CAL RE	VIEWE	R: (SIG	NATU	RE/DATE)	

TECHNICAL REVIEWER: (SIGNATURE/DATE)

ORM COMPLETED BY: (SIGNATURE/DATE)

			Page 1
SURFAC	CE WAT	ER SAMPLING FIELD FORM	
SITE ID: KRTLD154		DATE: 9/7/94	
LOCATION ID: 0166		SAMPLING PERIOD:	
SAMPLE ID:/00		START:	
SAMPLING METHOD*:		COMPLETE: 1030	· · · · · · · · · · · · · · · · · · ·
LOCATION DESCRIPTION: _	Equip	ment Blank - From bucket	or
then collected in	1400		oucket,
FIELD REPRESENTATIVE(S)	: <u> </u>	1, 1, 1	
PARAMETER MEASURE	MENTS:	;	
POTENTIAL OF HYDROGEN	рН	s.u.\	·
SPECIFIC CONDUCTANCE	Ec	μ mhos/cm	
REDOX POTENTIAL	Eh	mvolts	
TEMPERATURE	т	°C	
ALKALINITY (CaCO ₃)	ALK	mg/2	· .
DISSOLVED OXYGEN	DO	mg/£	
* SAMPLING METHODS: G - GRAB PP - PERISTALTIC PUMP O - OTHER (SPECIFY)			
R=K. M.	4/1/47	f	
FORM COMPLETED BY (SIGNATURE	(DATE)	TECHNICAL REVIEWER (SIGNATURE/DATE)	

1 f 🕶 1				CODES
CHDEACE	WATER	SAMPLING	+1+11	FURIN
SUMPACE	VVAILI	SAMPLING	I ILLU	<u> </u>

9911171	<u> </u>		
SITE ID: KRTLD 154		DATE: 9/7/94	
LOCATION ID: 0246		SAMPLING PERIOD:	
SAMPLE ID: 100 (START: 1070	
SAMPLING METHOD*:		COMPLETE: 10 ?い	
LOCATION DESCRIPTION:	Equip	ment blank - Hand Auger Bit	
collected in bo	Heis	I Water pured though bit	and
FIELD REPRESENTATIVE(S	1: Pkm	1, 77	
PARAMETER MEASURI	EMENTS	:	
POTENTIAL OF	bH	S.U	
HYDROGEN			
SPECIFIC	Ec	μ mkos/cm	
CONDUCTANCE			
REDOX POTENTIAL	Eh	mvolts	
TEMPERATURE	T	°C	
ALKALINITY (CaCO ₃)	ALK	mg/ !	
DISSOLVED OXYGEN	DO	mg/ !	
• SAMPLING METHODS: G - GRAB PP - PERISTALTIC PUMP O - OTHER (SPECIFY)			
FORM COMPLETED BY (SIGNATURE	1/1/44 E/DATEI	TECHNICAL REVIEWER (SIGNATURE/DATE)	

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SURFACE WATER SA	MPLING	FIELD	<u>FORM</u>
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SURFAC	E WAIL	TH SAIVII LING TILLS TOTHIN
SITE ID: KRTLD 154		DATE: 9/7/94
LOCATION ID: 0244		SAMPLING PERIOD:
SAMPLE ID:		START:/030
SAMPLING METHOD*:		COMPLETE: 1030
LOCATION DESCRIPTION:	Ambie	ent Blank
comments: Astm	Type II	: Water pourced into battles at
FIELD REPRESENTATIVE(S)	: PKM	JT
PARAMETER MEASURE	MENTS:	
POTENTIAL OF HYDROGEN	рН	S.U
SPECIFIC CONDUCTANCE	Ec	μ mhos/cm
REDOX POTENTIAL	Eh	mvolts
TEMPERATURE	Τ	°C
ALKALINITY (CaCO ₃)	ALK	mg/2
DISSOLVED OXYGEN	DO	mg/ !
• SAMPLING METHODS: G - GRAB PP - PERISTALTIC PUMP O - OTHER (SPECIFY)	44	
FORM COMPLETED BY (SIGNATURE	E/DATE)	TECHNICAL REVIEWER (SIGNATURE/DATE)

SURFACE	WATE	ER SAMPLING FIELD FORM
SITE ID: KRTLDITY		DATE: 9/7/94
LOCATION ID: 0247		
SAMPLE ID: 100 1		START: /030
sampling method*:		COMPLETE: 1030
LOCATION DESCRIPTION:i	Equipm	ent Blank - Sampling Scrop
COMMENTS: ASTM T	Type II	- Water poured mto scoop and
FIELD REPRESENTATIVE(S):	PKM	, JJ
PARAMETER MEASUREN	MENTS:	
POTENTIAL OF P	, Н	S.U
HYDROGEN		
SPECIFIC E	Ec	μ mhos/sm
CONDUCTANCE		
REDOX POTENTIAL E	ħ	mvolts
TEMPERATURE T	T	°C
ALKALINITY (CaCO ₃) A	ALK	mg/l
DISSOLVED OXYGEN D	00	mg/ 2
• SAMPLING METHODS: G - GRAB PP - PERISTALTIC PUMP		
0 - OTHER (SPECIFY)	,	
Vick Min 9/1/	44	
FORM COMPLETED BY (SIGNATURE/D.	ATE)	TECHNICAL REVIEWER (SIGNATURE/DATE)

-	WATER SAMPLING FIELD FORM
SITE ID: KRTLD 154	DATE: 9/7/94
LOCATION ID: 0248	
SAMPLE ID:	START: <u>/030</u>
SAMPLING METHOD*:	COMPLETE: /030
LOCATION DESCRIPTION:	Equipment Blank - Sampling Boust
comments: ASTM 7 Then into botte	ype I water poured into boul, and
FIELD REPRESENTATIVE(S):	PKM, JT
PARAMETER MEASUREN	IENTS:
POTENTIAL OF F	oH S.U
HYDROGEN	
SPECIFIC	Ec μ mhos/cm
CONDUCTANCE	
REDOX POTENTIAL E	in mvolts
TEMPERATURE 7	°C
ALKALINITY (CaCO ₃)	ALK mg/l
DISSOLVED OXYGEN	00 mg/1
• SAMPLING METHODS: G - GRAB PP - PERISTALTIC PUMP O - OTHER (SPECIFY)	2/44
FORM COMPLETED BY (SIGNATURE/D	ATE) TECHNICAL REVIEWER (SIGNATURE/DATE)

SURFACE WA	ATER SAMPLING FIELD FORM
SITE ID: <u>ketld154</u>	DATE: 9/17/94
LOCATION ID: 0314	SAMPLING PERIOD:
,	START: 0920
SAMPLE ID:OOO	· · · · · · · · · · · · · · · · · · ·
SAMPLING METHOD*:PP	COMPLETE: <u>0935</u>
LOCATION DESCRIPTION:	- Road to McCormick Ranch. Right site
of road. Approx 3/4 m	sile southwest at turn from faved road.
and clossed the filters vi	y for metals water had to much sediment, my gickly.
FIELD REPRESENTATIVE(S): P	Em, JT
PARAMETER MEASUREMENT	▲
POTENTIAL OF pH	s.u. 9.36 / 18.5°C
HYDROGEN	,
SPECIFIC Ec	μ mhos/cm 153.5 μs/ 19.0°C
CONDUCTANCE	•
REDOX POTENTIAL Eh	mvolts
TEMPERATURE T	°C
ALKALINITY (CaCO ₃) ALK	mg/2
DISSOLVED OXYGEN DO	mg/l N/P
• SAMPLING METHODS:	
G - GRAB	
PP - PERISTALTIC PUMP	
O - OTHER (SPECIFY)	
Lx Min 9/1	1 94
FORM COMPLETED BY (SIGNATURE/DATE)	TECHNICAL REVIEWER (SIGNATURE/DATE)

				Page 2 of 4
	SURFA	CE WATE	R QUALIT	Y SAMPLING RECORD
SITE ID KR	TW154		ŁC	OG DATE 9/17/9 Y
LOCATION ID				·
SAMPLING INF	ORMATION			
WITHDRAWAL	метнор	P		PUMP ID Corning of Meter
FILTER SIZE _	145M			PUMP ID
				ALKALINITY KIT ID
Ec METER ID _		- 4/A		
FIELD REPRESE	ENTATIVE(S)	PKM, JJ		· · · · · · · · · · · · · · · · · · ·
INSTRUMENT(S) USED _ PH	1 miler		
CALIBRATION	INFORMATION	,	12	
DATE/TIME OF	LAST Ec CALI	BRATION $\stackrel{\sim}{-}$		
	pH MET	ER STANDAR	DIZATION	1
TIME	4.00	7.00	10.00	COMMENTS
		7.00	10.01	/19.7 *
			A(MmV)	B(mBV) T(°C)
	ORP	INITIAL		
	PROBE:	ZOBELL		
	PROBE:	FINAL ZOBELL		
SHIPPING INFO	RMATION		4	(4
LAB(S) SHIPPE	D TO:			
DATE(S) SHIPP	en.			
DATE(S) SHIFF	<i></i>			
METHOD OF S	HIPMENT: _			
COMMENTS	SA, park			

Property of Teter Middle browks

Lus Alcans Technical Associates

Address 2400 Louisiana NE Blas 1 Suite 400

Albuquergar, NM 87110

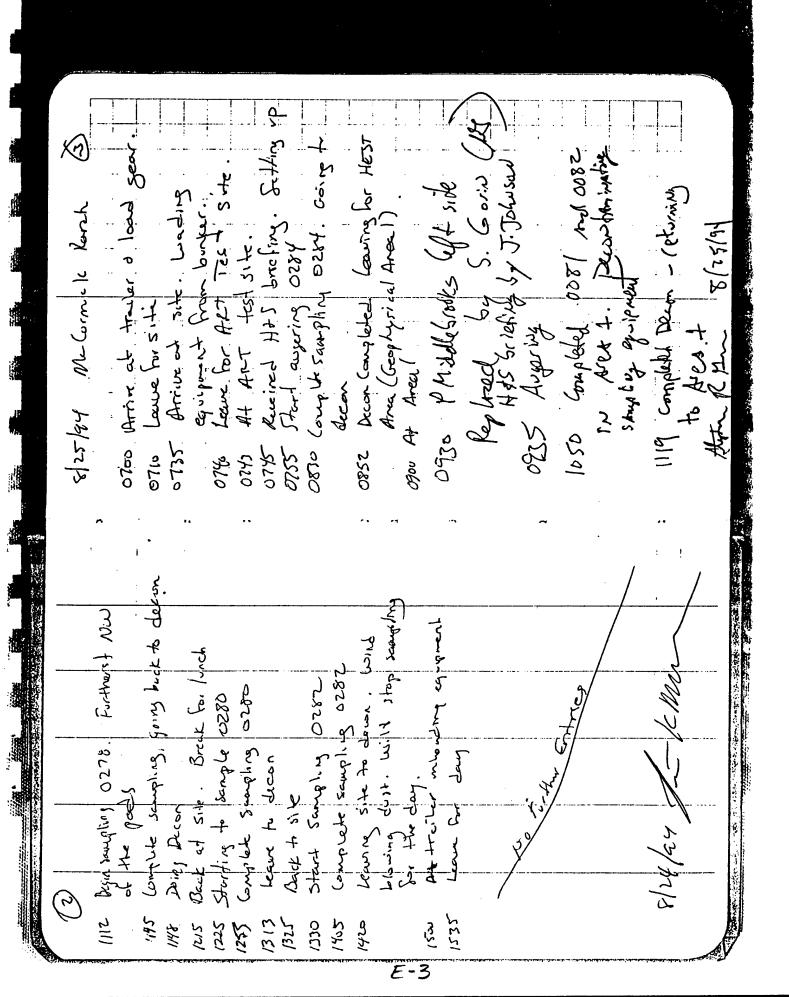
Telephone (505) 880-3438

This Book is manufactured of a High Grade 50% Rag Ledger Paper having a Water Resistant Surface, and is sewed with Nylon Waterproof Thread.

880. INDEX BEG 3406. Brue Dabb 1 Dick Ruddy - Moethat Curlish Court ant to site
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x/24/99 McGmict Ranh 0

0530 Ameat lab & Jegn boading vehicles.
0730 famine at site. Cit fock off of
stocogy burger. Cit fock off of
stocogy burger of moved
equipment into burger.
071/5 Jeff Johnson giving health
osolty the left of the Song health
osolt leave for pati Test, begin
stating up do sample.
1870 Begin sampling 0276
Jeff sample Sample.
1870 Begin sampling 0276
Jeff working of the sample.
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Jeff working of the set pre wenches
0855 He woodened as for health set for
Signification of the set pre wenches
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Buck at de con wear leaving to Gathing up at 0088

126/11 Surpling

Surpling OSS

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Leave to Start aboun į At OSB Etting of Start, say of Start, sampling OSB Conglete sampling OSB Leave 8 it to trailer At trailer, completing to sampling 0085 Janet 2005 7 500 1650 1605 3/2 529 1255 taking Sortwood Soil
Son Me. 0.8 wiles west
of Silvalon South Howder 1235 let Middlebroaks Retrived to Site. S. Gorin Leader to the Ut of Cors. Marcal State privited ormale with REM. replies him 2 costs so to comple Selling up to auguston on the same Decorming gripm completed sampling they and (205 200

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9	850	Arive at side Organizing	1250 Buck at becon area.
		equipment.	2 0/63 -0/65
0710	<u> </u>	bear hor site -/ MHedrice >	1305 At 0162-0163 SELLING UP 0
0735	کم	Kring at six Hed 145	• •
	•••	-	1345 Jan Ord - 150 Samples
olas		Leave for Geophysical Area 3.	Sempling at Copply soll great
0415		At Are 3. Stating location	1347 Lean Por Lean crea.
	·· -• ·	my softing 600 dearnor	
04 12		Begin Sampling 0151 10152	1420 Buck at stille air surpe
955 1	k	Conjust Surgering, Musical	and lienay Cocks.
		K22 154	1430 Tallan of Michigan Hallon
33.35	χ	Complete Suppling Going buck	ibent and soray Sing.
	*** ** ********************************	to decor.	1550 lear of his
500/	3	Perman Fix arrives uf drows	
010]	٥	Complete deciny going buck to	
Vi o		A Line Charles	
911)		2.50 -5.570 m/sms + 2.50	
		Gora bert to deco	
11.25		Or if soon lout brain	
0411		Linch over Setting y	/ -
1156		Start songling 0159-0162	
1240		Complete Sumpling 0159-0122	K-K. Man Strafay
Ā			

1122 Lewer decon area. Will check Stakes at sampling overs, busings and destroying them. 1131. Checked areas. No states destroyed other than in Openty sical area 3.	1155 At lab unbading equipment 1205 Lunch 1205 Lunch 1500 End linch. Sturt completing form 1500 Lower to Ship samples. 1550 Lower to Sand Doughtes 1655 Sumples chapped off at Fed Ex		grafsy Rehmi
8/29/97 106 94/1/2 equipment loaded. 07/5 Leave his 5: de decur 07/5 At 5: de decur 0755 Conglete decor coins de	1825 Start Sampling at 557m Ridd En JETO Complete Sampling of Conflicted OGEN Sampling 0703,0304 Conflicted OGEN Sampling 0703,0304 Conflicted OGEN Sampling 0703,0304 Conflicted OGEN Sampling 0703,0304 Conflicted OGEN Sampling 0703,0304 Conflicted OGEN Sampling 0703,0304 Conflicted OGEN Sampling 0703,0304 Conflicted OGEN Sampling 18 557m Flaton OGGN Sampling 18 557m Flaton	0305 00306. 030 Complete 0305 -> 0308. Duct do 1.35 At duen wes, 1.044 Leve ducor over For SSTM Add -De 1.049 Att SSTM Add Or. Sitt, no 40 as 2000 030500312 1115 Leve 63050310 alter surptice	Me get been are

والمامع	8/30/44	
51 % 24 June Sept.		1320 Finish surging 0229-0233.
and the	th shoring salesmen.	the deem are
11530	Leave her site	1748 Beek at Area S. 6:11 Sange
	Doing Jecur.	1448 Lewing Arreas after sumpling
	JADS Area for God clearance.	1957 Lewis their and when an widing
al watering	egred is toon id Aur.S.	
Mare Labelle	Sthy 600 devane.	and patholymes for SSTAN Als On
wally success	27/-0275	1630 Leave Site.
20522	4	
· 4		
3 3	. 4 ;	
: `	Bres 5 0225-02	
' '		
	230 Porque to Spenjole	L'Alli.
		MANY TENSON

	1225 At HIF Area. Eding lunch. 1242 Finished with linch. Start	1325 Don w) 0290-0293. Goly but to Lear	1337 At decontrol for H. F.	V.	14/2 (supute sangling 6297 - 0295.	Color but to dien erra			Sumples	150 Lear Abr day	· · · · · · · · · · · · · · · · · · ·					1-11 Mes 431/27	
8/31/94	0760 Arrive at 1/45. Load van with	07de Geere For site	Arrive at decon	Leave for H. F. are to Co	OSIS Complete COP Cleanure of HIFF over	Coing back	0924 Decor camp the Lean for thees?	# Are	1045 Lear Par decon que wher same hy	-0245. Din 3/Ara	ن م ماده	(102 peur ranglete surlehet out	Jeguns High Setting - Up to sumper	1207 Scorply 01 0276. cong lote.	•	1219 Ceuve deem are Par 54 (Hi (F)	

Surghey Oles -024 Septembling 0267-0265 Lears decon circa for DIPS. Packing Seungles. 4+ lab. Lunch. Dropping off Sa picting of coule. At deen ans wet over. eage site Par leave site (225) 1245 (3,12) 8/6) 1330 なら 715 at 2-2.5" Gled 1 with ID Bool. 25-6, celled swept 10 0002. Dock at deconorce. By D195 Loover decon cera, By D195 194 D195 Sithing Phy 0259-0262 Campude 0259-0267 292078250 Frish 0251-0254. Gaing beck At deep cree.

Leave Legan and For Dip 5.

At Dip 5. Setting up to

Seinar 0255-0258. Stort Sangling DIPS! No 61 mak KS20 - 11520 decor avec. inched w Sang 6 Arive a Found 4004 大学 070° 0725 27.60 שנוו 5240 2550 107 500/

At lunch Lecure Lunch 194 lab. Packajing Samples For Shipment. - Leour lab Food Feed EX 1235 1325 1345 1445 Thest Are
Thest Are
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Thest oblights Samply Old -0270. Leure Grane) pit after H deep over. ((easing) up Upo 0160-0270 Arrive at side.

Leave by gove of Arrivelad site 1 rar 0246-025c کران ک \200.j 627) 1045 1055 104 0430 20,00 0135 040 0915 0800 5110 1080 1777 1771 1225 6115 32,5 700/ 1107 :60 360 <u>ئە</u> 055

5.t.s.	Backhoe operation of the Support vehicle	Found operature. delan pad dangen At site. Organ Leave site.	1650 Ht held 1a3.		Kle Man Maky
9/6/84 act less Oranion, animent	weet and - Shore people	0740 At 5.46. Dropping all Quick-show at Chebs Avec. 0805 start EDD electuace at all 4	ogds Complete EDD clearance (pre-surcons). Dring necon to water seangh). 10935 Lewe site to pide up bother at	 1145 Lond over Stirt British 1978 1340 Lewe Ford Ex Lade Diting to the following	At Gray To (14.00) on the Regional hydro people

At Chubs ance Suthing up Start Trenching No-5 trench in Area 4. Sampling N-5 trench Complete Jumpling N-5 treath of Area 4. The Area 4. The order of the Sulls at 3. 1635 200 Aubient Cart, the Ozyc-1001

Aubient Cart, the Ozyc-2001

Try Cart and blank collection

Try Cart and blank collection

Try Cart and blank collection という who sather 050 050 050 050

		6. H.t Method rails at 2-3.		ا ملاماً عنها ملاماً عنها) .	0317-0001 Arec 1 Mary Myss.	Aret 3		0322-000) Severator Site	0323 - 0407 FURTILE DISTILL		0324-0001 m/m0 Art-7251 M/m0	 Lear Site Por Do	12 c. Min 2 (8/24
1/8/6	0700 Arrive at 12. Ladra egusparat	6735 At 5.te Deing Lean	0755 Decon completed. Leaving Sur (200	Office At tracking free 4. Seting		2) Severy and of 1/5 track. Caple	3) west side of 14/5 trench. Showing.	1) rule at 3. Shows native soils.	S) En track 0.3' Fance Williams	1) (2) troch 0:0; Frunch (2)	8) FW Treach. SE will Showing	9) Clection June 6 0191 in trench	 Shows coste + count la	shows constation contact at 3'.

Linch sver. Grang to Gram.
But hon Gram of welther At las. Unlanding + checking in sample, 1140 Complet remphoy 0296 91 At deen aver. Wheelen cor loser who has hes Dove packery sumple las. 15/6 145 1330 120 (F) queralot rite, He-samping Leave Orge Car DCT - Hasi branding Are N-5 & Trending Ara 3 O266 + 0296 (w) Obviss sour has been Fille Leave Front 0700, Arrive ct 12. Lay H Site. Ding C Leave her Trenh pomplan 1125 5 32 0750 9/20

	79/2		
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	4 4 2 27 22 22 22 22 22 22 22 22 22 22 22 2	すったままれて	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	the at 4' month at 5' theretat 7 full length)	
	Seek at bonter, Doing decomes bethree, or sumpling equipment them to Thendring them 2, to sheet standing them 2, to sheet standing at TAZ. Start thenching at TAZ. Start forch. (wood, cable, squals) at 3'in South putton of trend. Nour trench to 0-3', from 5 wh. Showing cable, lebons Tranch from 0-6' from 5 wth. Showing cable, lebons Tranch from 0-6' from 5 wth. Showing cable, lebons Tranch from 0-6' from 5 wth. Showing cable, lebons Tranch from 0-6' from 5 wth. Showing cable, lebons Thank from 0-6' from 5 wth. Showing cable, lebons Thank from 0-6' from 5 wth. Showing cable, lebons Showing cable, lebons Thank from 0-6' from 5 wth. Showing cable, lebons Thank from 0-6' from 5 wth. Showing cable, lebons Thank from 0-6' from 5 wth. Showing cable, lebons Thank from 0-6' from 5 wth. Showing cable, contact of tranch	Chell of trench at 4' depth. Athribe of N/s french at 9' Sith side of N/s french at 9' Though at 9' (Pill leagth) taken from South side.	
	, , , , , , , , , , , , , , , , , , , ,	Seth of the State of Assert of Grand, at 9	
	1050 3411 14 (57) 150 150 150 150 150 150 150 150	CE C	•
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